

VENDOR CONTRACT

Between _____ and

(Company Name)

THE INTERLOCAL PURCHASING SYSTEM (TIPS)

For

IP TV and Video Distribution

CONTRACT #1092216

General Information

The vendor contract shall include the contract, the terms and conditions, special terms and conditions, any agreed upon amendments, as well as all of the sections of the solicitation and the awarded vendor's proposal. Once signed, if an awarded vendor's proposal varies or is unclear in any way from the TIPS contract, TIPS, at its sole discretion, will decide which provision will prevail. Other documents to be included are the awarded vendor's proposals, task orders, purchase orders and any adjustments which have been issued.

The following pages will constitute the contract between the successful vendors(s) and TIPS. Bidders shall state, in a separate writing, and include with their proposal response, any required exceptions or deviations from these terms, conditions, and specifications. If agreed to by TIPS, they will be incorporated into the final contract.

The Vendor Contract ("Contract") made and entered into by and between The Interlocal Purchasing System (hereinafter referred to as "TIPS" respectfully) a government cooperative purchasing program authorized by the Region VIII Education Service Center, having its principal place of business at 4845 US Hwy 271 North, Pittsburg, Texas 75686. This contract consists of the provisions set forth below, including provisions of all Attachments referenced herein. In the event of a conflict between the provisions set forth below and those contained in any Attachment, the provisions set forth shall control.

Definitions

PURCHASE ORDER is the TIPS member's approval providing the authority to proceed with the negotiated delivery order under the contract. Special terms and conditions as agreed to between the vendor and TIPS member will be added as addendums to the PO. Items such as certificate of insurance, bonding requirements, small or disadvantaged business goals are some of the addendums possible.

PREMIUM HOURS are defined as those hours not included in regular hours or recognized holidays. Premium hours are to be approved by the TIPS member for each delivery order and noted in the delivery order proposal as a line item during negotiations.

REGULAR HOURS are defined as those hours between the hours of 7 AM and 6 PM Monday thru Friday.

Terms and Conditions

Freight

All deliveries shall be freight prepaid, F.O.B. destination and shall be included in all pricing offered unless otherwise clearly stated in writing.

Warranty Conditions

All supplies equipment and services shall include manufacturer's minimum standard warranty unless otherwise agreed to in writing. Vendor shall be an authorized dealer, distributor or manufacturer for all products. All equipment proposed shall be new unless clearly stated in writing.

Customer Support

The Vendor shall provide timely and accurate customer support to TIPS members. Vendors shall respond to such requests within one (1) working day after receipt of the request. Vendor shall provide training regarding products and services supplied by the Vendor unless otherwise clearly stated in writing at the time of purchase. (Unless training is a line item sold or packaged and must be purchased with product.)

Contracts

All contracts and agreements between Vendors and TIPS Members shall strictly adhere to the statutes that are set forth in the Uniform Commercial Code as most recently revised.

Contracts for purchase will normally be put into effect by means of a purchase order(s) executed by authorized agents of the participating government entities.

Davis Bacon Act requirements will be met when Federal Funds are used for construction and/or repair of buildings.

Tax exempt status

A taxable item sold, leased, rented to, stored, used, or consumed by any of the following governmental entities is exempted from the taxes imposed by this chapter: (1) the United States; (2) an unincorporated instrumentality of the United States; (3) a corporation that is an agency or instrumentality of the United States and is wholly owned by the United States or by another corporation wholly owned by the United States; (4) the State of Texas; (5) a Texas county, city, special district, or other political subdivision; or (6) a state, or a governmental unit of a state that borders Texas, but only to the extent that the other state or governmental unit

exempts or does not impose a tax on similar sales of items to this state or a political subdivision of this state. Texas Tax Code § 151.309.

Assignments of contracts

No assignment of contract may be made without the prior written approval of TIPS. Payment can only be made to the awarded Vendor or vendor assigned dealer.

Disclosures

1. Vendor affirms that he/she has not given, offered to give, nor intends to give at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor or service to a public servant in connection with this contract.
2. Vendor shall attach, in writing, a complete description of any and all relationships that might be considered a conflict of interest in doing business with participants in the TIPS program.
3. The vendor affirms that, to the best of his/her knowledge, the offer has been arrived at independently, and is submitted without collusion with anyone to obtain information or gain any favoritism that would in any way limit competition or give an unfair advantage over other vendors in the award of this contract.

Renewal of Contracts

The contract is for one (1) year with an option for renewal for 2 consecutive years. Total term of contract can be up to 3 years if sales are reported through the contract and both parties agree.

Shipments

The Vendor shall ship ordered products within five (5) working days after the receipt of the order. If a product cannot be shipped within that time, the Vendor shall notify TIPS and the requesting entity as to why the product has not shipped and shall provide an estimated shipping date, if applicable. TIPS or the requesting entity may cancel the order if estimated shipping time is not acceptable.

Invoices

The Vendor or vendor assigned dealer shall submit invoices, to the TIPS participant. Each invoice shall include the TIPS participant's purchase order number. The shipment tracking number or pertinent information for verification of TIPS participant receipt shall be made available upon request. The Vendor or vendor assigned dealer shall not invoice for partial shipments unless agreed to in writing in advance by TIPS and the TIPS participant.

Payments

The TIPS participant will make payments directly to the Vendor or vendor assigned dealer at net 30 days after receiving invoice.

Pricing

The Vendor contracts to provide pricing to TIPS and its participating governmental entities that is the lowest pricing available to like cooperative purchasing customers and the pricing shall remain so throughout the duration of the contract.

The Vendor agrees to promptly lower the cost of any product purchased through TIPS following a reduction in the manufacturer or publisher's direct cost to the Vendor. Price increases will be honored. However, the Vendor shall honor previous prices for thirty (30) days after written notification to TIPS of an increase.

All pricing submitted to TIPS shall include the participation fee to be remitted to TIPS by the Vendor. Vendor will not show adding the fee to the invoice presented to customer. The normal fee is 2%, but can be negotiated with the Vendor.

Participation Fees

Vendor or vendor assigned dealer contracts to pay the participation fee for all contract sales to TIPS on a monthly scheduled report. Vendor must login to the TIPS database and use the "Submission Report" section to report sales. The Vendor or vendor assigned dealers are responsible for keeping record of all sales that go through the TIPS contract. Failure to pay the participation fee will result in termination of contract. Please contact TIPS at tips@tips-usa.com or call (866) 839-8477 if you have questions about paying fees.

Indemnity

- 1. Indemnity for Personality Contracts.** Vendor agrees to indemnify and hold harmless and defend TIPS, TIPS member(s), officers and employees, from and against all claims and suits for damages, injuries to persons (including death), property damages, losses, and expenses including court costs and attorney's fees, arising out of, or resulting from, Vendor's performance of this contract, including all such causes of action based upon common, constitutional, or statutory law, or based in whole or in part, upon allegations of negligent or intentional acts on the part of the Vendor, its officers, employees, agents, subcontractors, licensees, invitees, whether or not such claims are based in whole or in part upon the negligent acts or omissions of the TIPS, TIPS member(s), officers, employees, or agents.
- 2. Indemnity for Performance Contracts.** The Vendor agrees to indemnify and hold harmless and defend TIPS, TIPS member(s), officers and employees from and against all claims and suits for damages, injuries to persons (including death), property damages, losses, and expenses including court costs and attorney's fees, arising out of, or resulting from, Vendor's work under this contract, including all such causes of action based upon common, constitutional, or statutory law, or based in whole or in part, upon allegations of negligent or intentional acts on the part of the Vendor, its officers, employees, agents, subcontractors, licensees, or invitees. Vendor further agrees to indemnify and

hold harmless and defend TIPS, TIPS member(s), officers and employees, from and against all claims and suits for injuries (including death) to an officer, employee, agent, subcontractor, supplier or equipment lessee of the Vendor, arising out of, or resulting from, Vendor's work under this contract whether or not such claims are based in whole or in part upon the negligent acts or omissions of the TIPS, TIPS member(s), officers, employees, or agents.

Attorney's Fees--Texas Local Government Code § 271.159 is expressly referenced.

Pursuant to §271.159, TEXAS LOC. GOV'T CODE, in the event that any one of the Parties is required to obtain the services of an attorney to enforce this Agreement, the prevailing party, in addition to other remedies available, shall be entitled to recover reasonable attorney's fees and costs of court.

Multiple Vendor Awards

TIPS reserves the right to award multiple vendor contracts for categories when deemed in the best interest of the TIPS membership. Bidders scoring 80% or above will be considered for an award. Categories are established at the discretion of TIPS.

State of Texas Franchise Tax

By signature hereon, the bidder hereby certifies that he/she is not currently delinquent in the payment of any franchise taxes owed the State of Texas under Chapter 171, Tax Code.

Miscellaneous

The Vendor acknowledges and agrees that continued participation in TIPS is subject to TIPS sole discretion and that any Vendor may be removed from the participation in the Program at any time with or without cause. Nothing in the contract or in any other communication between TIPS and the Vendor may be construed as a guarantee that TIPS participants will submit any orders at any time. TIPS reserves the right to request additional proposals for items already on contract at any time.

Purchase Order Pricing/Product Deviation

If a deviation of pricing/product on a purchase order occurs, TIPS is to be notified within 24 hours of receipt of order.

Cancellation for non-performance or contract deficiency

TIPS may terminate any contract if TIPS Members have not used the contract, or if purchase volume is determined to be "low volume" in any 12-month period. TIPS reserves the right to cancel the whole or any part of this contract due to failure by awarded vendor to carry out any obligation, term or condition of the contract. TIPS may issue a written deficiency notice to awarded vendor for acting or failing to act in any of the following:

- Providing material that does not meet the specifications of the contract;

- Providing work and/or material that was not awarded under the contract;
- Failing to adequately perform the services set forth in the scope of work and specifications;
- Failing to complete required work or furnish required materials within a reasonable amount of time;
- Failing to make progress in performance of the contract and/or giving TIPS reason to believe that awarded vendor will not or cannot perform the requirements of the contract; and/or
- Performing work or providing services under the contract prior to receiving a TIPS reviewed purchase order for such work.

Upon receipt of the written deficiency, awarded vendor shall have ten (10) days to provide a satisfactory response to TIPS. Failure to adequately address all issues of concern may result in contract cancellation. Upon cancellation under this paragraph, all goods, materials, work, documents, data and reports prepared by awarded vendor under this contract shall become the property of the TIPS Member on demand.

TIPS Member Purchasing Procedures

Purchase orders are issued by participating TIPS member to the awarded vendor indicating on the PO "Contract Number". Purchase Order is emailed to TIPS at tipspo@tips-usa.com.

- Awarded vendor delivers goods/services directly to the participating member.
- Awarded vendor invoices the participating TIPS member directly.
- Awarded vendor receives payment directly from the participating member.
- Awarded vendor reports sales monthly to TIPS (unless prior arrangements have been made with TIPS to report monthly).

Form of Contract

The form of contract for this solicitation shall be the Request for Proposal, the awarded proposal(s) and best and final offer(s), and properly issued and reviewed purchase orders referencing the requirements of the Request for Proposals. If a vendor submitting an offer requires TIPS and/or TIPS Member to sign an additional agreement, a copy of the proposed agreement must be included with the proposal.

Vendor contract documents: TIPS will review proposed vendor contract documents. Vendor's contract document shall not become part of TIPS's contract with vendor unless and until an authorized representative of TIPS reviews and approves it.

Licenses

Awarded vendor shall maintain in current status all federal, state and local licenses, bonds and permits required for the operation of the business conducted by awarded vendor. Awarded vendor shall remain fully informed of and in compliance with all ordinances and regulations pertaining to the lawful provision of services under the contract. TIPS reserves the right to stop

work and/or cancel contract of any awarded vendor whose license(s) expire, lapse, are suspended or terminated.

Novation

If awarded vendor sells or transfers all assets or the entire portion of the assets used to perform this contract, a successor in interest must guarantee to perform all obligations under this contract. TIPS reserves the right to accept or reject any new party. A simple change of name agreement will not change the contractual obligations of awarded vendor.

Site Requirements (when applicable to service or job)

Cleanup: Awarded vendor shall clean up and remove all debris and rubbish resulting from their work as required or directed by TIPS Member. Upon completion of work, the premises shall be left in good repair and an orderly, neat, clean and unobstructed condition.

Preparation: Awarded vendor shall not begin a project for which TIPS Member has not prepared the site, unless awarded vendor does the preparation work at no cost, or until TIPS Member includes the cost of site preparation in a purchase order.

Site preparation includes, but is not limited to: moving furniture, installing wiring for networks or power, and similar pre-installation requirements.

Registered sex offender restrictions: For work to be performed at schools, awarded vendor agrees that no employee of a sub-contractor who has been adjudicated to be a registered sex offender will perform work at any time when students are or reasonably expected to be present. Awarded vendor agrees that a violation of this condition shall be considered a material breach and may result in the cancellation of the purchase order at the TIPS Member's discretion.

Awarded vendor must identify any additional costs associated with compliance of this term. If no costs are specified, compliance with this term will be provided at no additional charge.

Safety measures: Awarded vendor shall take all reasonable precautions for the safety of employees on the worksite, and shall erect and properly maintain all necessary safeguards for protection of workers and the public. Awarded vendor shall post warning signs against all hazards created by the operation and work in progress. Proper precautions shall be taken pursuant to state law and standard practices to protect workers, general public and existing structures from injury or damage.

Smoking

Persons working under contract shall adhere to local smoking policies. Smoking will only be permitted in posted areas or off premises.

Invoices

The awarded vendor shall submit invoices to the participating entity clearly stating "Per TIPS Contract". The shipment tracking number or pertinent information for verification shall be made available upon request.

Marketing

Awarded vendor agrees to allow TIPS to use their name and logo within website, marketing materials and advertisement. Any use of TIPS name and logo or any form of publicity, inclusive of press release, regarding this contract by awarded vendor must have prior approval from TIPS.

Supplemental agreements

The entity participating in the TIPS contract and awarded vendor may enter into a separate supplemental agreement to further define the level of service requirements over and above the minimum defined in this contract i.e. invoice requirements, ordering requirements, specialized delivery, etc. Any supplemental agreement developed as a result of this contract is exclusively between the participating entity and awarded vendor. TIPS, its agents, TIPS members and employees shall not be made party to any claim for breach of such agreement.

Survival Clause

All applicable software license agreements, warranties or service agreements that were entered into between Vendor and Customer under the terms and conditions of the Contract shall survive the expiration or termination of the Contract. All Purchase Orders issued and accepted by Order Fulfiller shall survive expiration or termination of the Contract.

Legal obligations

It is the responding vendor's responsibility to be aware of and comply with all local, state and federal laws governing the sale of products/services identified in this RFP and any awarded contract thereof. Applicable laws and regulations must be followed even if not specifically identified herein.

Audit rights

Awarded Vendor shall, at their sole expense, maintain appropriate due diligence of all purchases made by TIPS Member that utilizes this Contract. TIPS and Region 8 ESC each reserve the right to audit the accounting for a period of three (3) years from the time such purchases are made. This audit right shall survive termination of this Agreement for a period of one (1) year from the effective date of termination. TIPS shall have authority to conduct random audits of Awarded Vendor's pricing that is offered to TIPS Members. Notwithstanding the foregoing, in the event that TIPS is made aware of any pricing being offered to eligible entities that is materially inconsistent with the pricing under this agreement, TIPS shall have the ability to conduct the audit internally or may engage a third-party auditing firm. In the event of an audit, the requested materials shall be provided in the format and at the location designated by Region 8 ESC or TIPS.

Force Majeure

If by reason of Force Majeure, either party hereto shall be rendered unable wholly or in part to carry out its obligations under this Agreement then such party shall give notice and fully particulars of Force Majeure in writing to the other party within a reasonable time after occurrence of the event or cause relied upon, and the obligation of the party giving such notice, so far as it is affected by such Force Majeure, shall be suspended during the continuance of the inability then claimed, except as hereinafter provided, but for no longer period, and such party shall endeavor to remove or overcome such inability with all reasonable dispatch.

Services

When applicable, performance bonds will be required on construction or labor required jobs over \$100,000 and payment bonds on jobs over \$25,000 or awarded vendor will meet the TIPS member's local and state purchasing requirements. Awarded vendors may need to provide additional capacity as jobs increase. Bonds will not require that a fee be paid to TIPS. The actual cost of the bond will be a pass through to the TIPS member and added to the purchase order.

Scope of Services

The specific scope of work for each job shall be determined in advance and in writing between TIPS Member and Awarded vendor. It is okay if the TIPS member provides a general scope, but the awarded vendor should provide a written scope of work to the TIPS member as part of the proposal. Once the scope of the job is agreed to, the TIPS member will issue a PO with the estimate referenced as an attachment along with bond and any other special provisions agreed to for the TIPS member. If special terms and conditions other than those covered within this solicitation and awarded contracts are required, they will be attached to the PO and shall take precedence over those in the base contract.

Project Delivery Order Procedures

The TIPS member having approved and signed an interlocal agreement, or other TIPS membership document, may make a request of the awarded vendor under this contract when the TIPS member has services that need to be undertaken. Notification may occur via phone, the web, email, fax, or in person.

Upon notification of a pending request, the awarded vendor shall make contact with the TIPS member as soon as possible, but must make contact with the TIPS member within two working days.

Scheduling of Projects

Scheduling of projects (if applicable) will be accomplished when the TIPS member issues a purchase order that will serve as "the notice to proceed". The period for the delivery order will include the mobilization, materials purchase, installation and delivery, design, weather, and site cleanup and inspection. No additional claims may be made for delays as a result of these items. When the tasks have been completed the awarded vendor shall notify the client and have the TIPS member inspect the work for acceptance under the scope and terms in the PO. The TIPS

member will issue in writing any corrective actions that are required. Upon completion of these items, the TIPS member will issue a completion notice and final payment will be issued.

Support Requirements

If there is a dispute between the awarded vendor and TIPS member, TIPS or its representatives will assist in conflict resolution or third party (mandatory mediation), if requested by either party. TIPS, or its representatives, reserves the right to inspect any project and audit the awarded vendors TIPS project files, documentation and correspondence.

Special Terms and Conditions

It is the intent of TIPS to contract with a reliable, high performance vendor to supply products and services to government and educational agencies. It is the experience of TIPS that the following procedures provide TIPS, the Vendor, and the participating agency the necessary support to facilitate a mutually beneficial relationship. The specific procedures will be negotiated with the successful vendor.

- **Contracts:** All vendor purchase orders must be emailed to TIPS at tipspo@tips-usa.com. Should an agency send an order direct to vendor, it is the vendor's responsibility to forward the order to TIPS at the email above within 24 business hours and confirm its receipt with TIPS.
 - **Promotion of Contract:** It is agreed that Vendor will encourage all eligible entities to purchase from the TIPS Program. Encouraging entities to purchase directly from the Vendor and not through TIPS contract is not acceptable to the terms and conditions of this contract and will result in removal of Vendor from Program. Vendor is expected to use marketing funds for the marketing and promotion of this contract.
 - **Daily Order Confirmation:** All contract purchase orders will be approved daily by TIPS and sent to vendor. The vendor must confirm receipt of orders to the TIPS member (customer) within 24 business hours.
 - **Vendor custom website for TIPS:** If Vendor is hosting a custom TIPS website, then updated pricing must be posted by 1st of each month.
 - **Back Ordered Products:** If product is not expected to ship within 3 business days, customer is to be notified within 24 hours and appropriate action taken based on customer request.
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Check one of the following responses to the General Terms and Special Terms and Conditions:

() We take no exceptions/deviations to the general and/or special terms and conditions.

(Note: If none are listed below, it is understood that no exceptions/deviations are taken.)

() We take the following exceptions/deviations to the general and/or special terms and conditions. All exceptions/deviations must be clearly explained. Reference the corresponding general or special terms and conditions that you are taking exceptions/deviations to. The proposer must clearly state if you are adding additional terms and conditions to the general or special terms and conditions. Provide details on your exceptions/deviations below:

[illegible]

The Interlocal Purchasing System (TIPS Cooperative) Supplier Response

Bid Information		Contact Information		Ship to Information
Bid Creator	Karen Walton Internal Support Specialist	Address	Region VIII Education Service Center 4845 US Highway 271 North Pittsburg, TX 75686	Address
Email	Karen.Walton@tips-usa.com			Contact
Phone	(903) 575-2761	Contact	Kim Thompson, TIPS Office Manager	Department Building
Fax	(866) 929-4402			
Bid Number	1092216	Department Building		Floor/Room
Title	IP TV and Video Distribution			Telephone
Bid Type	RFP			Fax
Issue Date	7/1/2016 08:00 AM (CT)			Email
Close Date	8/12/2016 03:00:00 PM (CT)	Floor/Room		
Need by Date		Telephone	+1 (866) 839-8477	
		Fax	+1 (866) 839-8472	
		Email	bids@tips-usa.com	

Supplier Information

Company Discovery Information Technologies, Inc.
Address 904 Hwy 69N

Nederland, TX 77627

Contact

Department

Building

Floor/Room

Telephone 1 (409) 7277080

Fax 1 (409) 7272456

Email

Submitted 8/12/2016 12:59:35 PM (CT)

Total \$0.00

By submitting your response, you certify that you are authorized to represent and bind your company.

Signature Delilah Fadhli

Email delilahf@discoveryit.com

Supplier Notes

Bid Notes

Bid Activities

Bid Messages

Please review the following and respond where necessary

#	Name	Note	Response
1	Yes - No	Disadvantaged/Minority/Women Business Enterprise - D/M/WBE (Required by some participating governmental entities) Vendor certifies that their firm is a D/M/WBE? Vendor must upload proof of certification to the "Response Attachments" D/M/WBE CERTIFICATES section.	No
2	Yes - No	Highly Underutilized Business - HUB (Required by some participating governmental entities) Vendor certifies that their firm is a HUB? Vendor must upload proof of certification to the "Response Attachments" HUB CERTIFICATES section.	No
3	Yes - No	The Vendor can provide services and/or products to all 50 US States?	Yes
4	States Served:	If answer is NO to question #3, please list which states can be served. (Example: AR, OK, TX)	
5	Company and/or Product Description:	This information will appear on the TIPS website in the company profile section, if awarded a TIPS contract. (Limit 750 characters.)	<p>Discovery Information Technologies was founded in 1988 to help clients get the most out of their technology. Over the years we've helped many clients, large & small, relieve their technology worries so that they can concentrate on realizing their goals.</p> <p>Our success is built on a foundation of shared values - quality service, strong relationships, mutual trust, and integrity.</p> <p>For you as a client, "We Make I.T. Happen" by managing your I.T. environment, allowing you the opportunity to minimize downtime, decrease risk, reduce cost, improve employee productivity, and provide peace of mind with our solutions.</p>
6	Primary Contact Name	Primary Contact Name	Delilah Fadhli
7	Primary Contact Title	Primary Contact Title	Vice President
8	Primary Contact Email	Primary Contact Email	delilahf@discoveryit.com
9	Primary Contact Phone	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	4097277080
10	Primary Contact Fax	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	4097272456
11	Primary Contact Mobile	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	
12	Secondary Contact Name	Secondary Contact Name	Stephen Collazo
13	Secondary Contact Title	Secondary Contact Title	Sr. Account Representative
14	Secondary Contact Email	Secondary Contact Email	stephenc@discoveryit.com
15	Secondary Contact Phone	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	4097277080

16	Secondary Contact Fax	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	4097272456
17	Secondary Contact Mobile	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	
18	Admin Fee Contact Name	Admin Fee Contact Name. This person is responsible for paying the admin fee to TIPS.	Delilah Fadhli
19	Admin Fee Contact Email	Admin Fee Contact Email	delilahf@discoveryit.com
20	Admin Fee Contact Phone	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	4097277080
21	Purchase Order Contact Name	Purchase Order Contact Name. This person is responsible for receiving Purchase Orders from TIPS.	Delilah Fadhli
22	Purchase Order Contact Email	Purchase Order Contact Email	delilahf@discoveryit.com
23	Purchase Order Contact Phone	Enter 10 digit phone number. (No dashes or extensions) Example: 8668398477	4097277080
24	Company Website	Company Website (Format - www.company.com)	www.discoveryit.com
25	Federal ID Number:	Federal ID Number also known as the Employer Identification Number. (Format - 12-3456789)	76-0253187
26	Primary Address	Primary Address	904 Hwy 69
27	Primary Address City	Primary Address City	Nederland
28	Primary Address State	Primary Address State (2 Digit Abbreviation)	TX
29	Primary Address Zip	Primary Address Zip	77627
30	Search Words:	Please list search words to be posted in the TIPS database about your company that TIPS website users might search. Words may be product names, manufacturers, or other words associated with the category of award. YOU MAY NOT LIST NON-CATEGORY ITEMS. (Limit 500 words) (Format: product, paper, construction, manufacturer name, etc.)	Extron, tv, television, HDMI, VGA, connectors, distribution units, UHD, high def, high definition, 4K, Switcher
31	Yes - No	Do you wish to be eligible to participate in a TIPS contract in which a TIPS member utilizes federal funds on contracts exceeding \$100,000? (Non-Construction) (If YES, vendor should download the Federal Regulations for Contracts document from the Attachments section, fill out the form and submit the document in the "Response Attachments" FEDERAL FUNDS section.) (Vendor must also download the Suspension or Debarment Certificate document from the Attachments section, fill out the form and submit the document in the "Response Attachments" SUSPENSION OR DEBARMENT section.)	Yes
32	Yes - No	Certification of Residency (Required by the State of Texas) Company submitting bid is a Texas resident bidder?	Yes
33	Company Residence (City)	Vendor's principal place of business is in the city of?	Nederland
34	Company Residence (State)	Vendor's principal place of business is in the state of?	Texas
35	Felony Conviction Notice:	(Required by the State of Texas) My firm is, as outlined on PAGE 5 in the Instructions to Bidders document: (Questions 36 - 37)	(No Response Required)

36	Yes - No	A publicly held corporation; therefore, this reporting requirement is not applicable?	No
37	Yes - No	Is owned or operated by individual(s) who has/have been convicted of a felony? If answer is YES, a detailed explanation of the name(s) and conviction(s) must be uploaded to the "Response Attachments" FELONY CONVICTION section.	No
38	Pricing Information:	Pricing information section. (Questions 39 - 42)	(No Response Required)
39	Yes - No	In addition to the typical unit pricing furnished herein, the Vendor agrees to furnish all current and future products at prices that are proportionate to Dealer Pricing. If answer is NO, include a statement detailing how pricing for TIPS participants would be calculated in the PRICING document that is uploaded to the "Response Attachments" PRICING section.	Yes
40	Yes - No	Pricing submitted includes the TIPS administration fee?	Yes
41	Yes - No	Vendor agrees to remit to TIPS the required administration fee?	Yes
42	Yes - No	Additional discounts to TIPS members for bulk quantities or scope of work?	Yes
43	Start Time	Average start time after receipt of customer order is ____ working days?	5
44	Years Experience	Company years experience in this category?	7
45	Resellers:	Does the vendor have resellers that it will name under this contract? (If applicable, vendor should download the Reseller/Dealers spreadsheet from the Attachments section, fill out the form and submit the document in the "Response Attachments" RESELLERS section.	No
46	Prices are guaranteed for?	(__ Month(s), __ Year(s), or Term of Contract) (Standard term is "Term of Contract")	Term of Contract

Line Items

Response Total:		\$0.00
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2 CFR PART 200 Contract Provisions

Required Federal contract provisions of Federal Regulations for Contracts

The following provisions are required to be in place and agreed if the procurement is funded with federal funds. TIPS or its members are the subgrantee or subrecipient by definition in most cases. Not all provisions herein apply to all contracts. Compliance is required as it applies to the individual purchase contract.

Appendix II to Part 200

Contract Provisions for Non-Federal Entity Contracts Under Federal Awards

2 CFR PART 200

These contract provisions are incorporated by reference or attachment into all contracts with your company when TIPS or its members purchase is with federal funds if you respond to a TIPS competitive procurement request for proposals or bid..

In addition to other provisions required by the Federal agency or non-Federal entity, all contracts made by the non-Federal entity under the Federal award must contain provisions covering the following, as applicable.

Federal Rule (1) Contracts for more than the simplified acquisition threshold currently set at \$150,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 U.S.C. 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.

Notice: Pursuant to Federal Rule (1) above, when federal funds are expended by TIPS or its members, TIPS or its members reserves all rights and privileges under the applicable laws and regulations with respect to this procurement in the event of breach of contract by either party.

Does vendor agree? YES df Initial of Authorized Company Official

Federal Rule (2) Termination for cause and for convenience by the grantee or subgrantee including the manner by which it will be effected and the basis for settlement. (All contracts in excess of \$10,000)

Pursuant to Federal Rule (2) above, when federal funds are expended by TIPS OR ITS MEMBERS, TIPS OR ITS MEMBERS reserves the right to terminate any agreement in excess of \$10,000 resulting from this procurement process for cause after giving the vendor an appropriate opportunity and up to 30 days, to cure the causal breach of terms and conditions. TIPS OR ITS MEMBERS reserves the right to terminate any agreement in excess of \$10,000 resulting from this procurement process for convenience with 30 days notice in writing to the awarded vendor. The vendor would be compensated for work performed and goods procured as of the termination date if for convenience of the TIPS OR ITS MEMBERS. Any award under this procurement process is not exclusive and the District reserves the right to purchase goods and services from other vendors when it is in the best interest of the District.

Does vendor agree? YES df Initial of Authorized Company Official

Federal Rule (3) Equal Employment Opportunity. Except as otherwise provided under 41 CFR Part 60, all contracts that meet the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3 must include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity" (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

2 CFR PART 200 Contract Provisions

Pursuant to Federal Rule (3) above, when federal funds are expended by TIPS OR ITS MEMBERS, for all construction contracts awarded by grantees and their contractors or subgrantees, the proposer certifies that during the term of an award, when federal funds are expended, by the TIPS OR ITS MEMBERS resulting for this procurement process the vendor will be in compliance with Equal Opportunity Employment laws specifically Executive Order 11246 of September 24, 1965, entitled "Equal Employment Opportunity," as amended by Executive Order 11375 of October 13, 1967, and as supplemented in Department of Labor regulations (41 CFR chapter 60.

Does vendor agree? YES df Initial of Authorized Company Official

Federal Rule (4) Davis-Bacon Act, as amended (40 U.S.C. 3141-3148). When required by Federal program legislation, all prime construction contracts in excess of \$2,000 awarded by non-Federal entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction"). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency. The contracts must also include a provision for compliance with the Copeland "Anti-Kickback" Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.

Pursuant to Federal Rule (4) above, when federal funds are expended by TIPS OR ITS MEMBERS, during the term of an award for all contracts and subgrants for construction or repair, when Federal Funds are expended, by the TIPS OR ITS MEMBERS resulting for this procurement process the vendor will be in compliance with all provisions listed or referenced therein.

Does vendor agree? YES df Initial of Authorized Company Official

Federal Rule (5) Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708). Where applicable, all contracts awarded by the non-Federal entity in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

Pursuant to Federal Rule (5) above, when federal funds are expended by TIPS OR ITS MEMBERS, the proposer certifies that during the term of an award by the TIPS OR ITS MEMBERS resulting from this procurement process for construction contracts awarded by grantees and subgrantees the proposer agrees to be in compliance with all requirements listed or referenced therein.

Does vendor agree? YES df Initial of Authorized Company Official

Federal Rule (6) Rights to Inventions Made Under a Contract or Agreement. If the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a

2 CFR PART 200 Contract Provisions

small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that “funding agreement,” the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, “Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements,” and any implementing regulations issued by the awarding agency.

Pursuant to Federal Rule (6) above, when federal funds are expended by TIPS OR ITS MEMBERS, TIPS OR ITS MEMBERS requires that the proposer certify that during the term of an award by the TIPS OR ITS MEMBERS resulting from this procurement process the vendor agrees to the terms listed and referenced therein.

Does vendor agree? YES df Initial of Authorized Company Official

Federal Rule (7) Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387), as amended—Contracts and subgrants of amounts in excess of \$150,000 must contain a provision that requires the non-Federal award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

Pursuant to Federal Rule (7) above, when federal funds are expended by TIPS OR ITS MEMBERS, TIPS OR ITS MEMBERS requires that the proposer certify that during the term of an award by the TIPS OR ITS MEMBERS resulting from this procurement process the vendor agrees to the terms listed and referenced therein.

Does vendor agree? YES df Initial of Authorized Company Official

Federal Rule (8) Debarment and Suspension (Executive Orders 12549 and 12689)—A contract award \$25,000 or greater (see 2 CFR 180.220) must not be made to parties listed on the governmentwide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), “Debarment and Suspension.” SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

Pursuant to Federal Rule (8) above, when federal funds are expended by TIPS OR ITS MEMBERS, TIPS OR ITS MEMBERS requires the proposer certify that during the term of an award by the TIPS OR ITS MEMBERS resulting for this procurement process the vendor certifies that they are not debarred from receiving a contract from the federal government as provided therein.

Does vendor agree they are not debarred as specified above ? YES df Initial of Authorized Company Official

Federal Rule (9) Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)—Contractors that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.

Pursuant to Federal Rule (9) above, when federal funds are expended by TIPS OR ITS MEMBERS, TIPS OR ITS MEMBERS requires the proposer certify that during the term and after the awarded term of an award by the TIPS OR ITS MEMBERS resulting for this procurement process the vendor certifies to the terms included or referenced in Federal Rule 9 above.

2 CFR PART 200 Contract Provisions

Does vendor certify to the provisions in Federal Rule (9) above? YES df Initial of Authorized Company Official

Federal Rule (10) 2 CFR 200.233 Retention of all required records for three years after grantees or subgrantees make final payments and all other pending matters are closed.

Pursuant to Federal Rule (10) above, when federal funds are expended by TIPS OR ITS MEMBERS, TIPS OR ITS MEMBERS requires the proposer certify that the awarded vendor retain all required records for three years after grantees or subgrantees make final payments and all other pending matters are closed.

Does vendor agree? YES df Initial of Authorized Company Official

Federal Rule (11) 2 CFR §200.322 Procurement of recovered materials. A non-Federal entity that is a state agency or agency of a political subdivision of a state and its contractors must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines. [78 FR 78608, Dec. 26, 2013, as amended at 79 FR 75885, Dec. 19, 2014]

Pursuant to Federal Rule (11) above, when federal funds are expended by TIPS OR ITS MEMBERS, TIPS OR ITS MEMBERS requires proposer certify that during the term of an award by the TIPS OR ITS MEMBERS resulting for this procurement process the vendor will be in compliance with mandatory standards and policies relating to Procurement of recovered materials which are listed above.

Does vendor agree they will comply? YES df Initial of Authorized Company Official

Company Name Discovery Information Technologies, Inc.

Print name of authorized representative Delilah Fadhli

Signature of authorized representative 

Date 8/11/16

Signature above acknowledges all provisions in this four page document and the vendor/proposer/bidder responses herein to the 11 rules.

Federal Requirements for Procurement and Contracting with small and minority businesses, women's business enterprises, and labor surplus area firms.

If the TIPS member anticipate possibly using federal funds for procurement under this potential award and is required to obtain the following compliance assurance.

1. Will you be subcontracting any of your work under this award if you are successful?

(Check one)

☐ YES or ☒ NO

2. If yes, do you agree to comply with the following federal requirements? (Check one)

☐ YES or ☐ NO

2 CFR §200.321 Contracting with small and minority businesses, women's business enterprises, and labor surplus area firms.

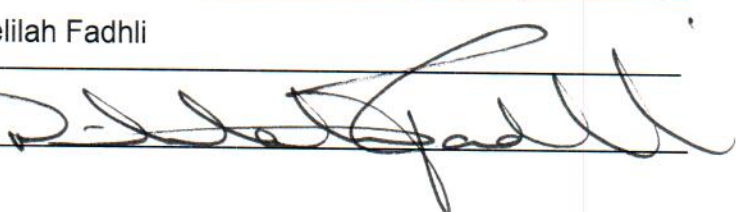
(a) The non-Federal entity must take all necessary affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms are used when possible.

(b) Affirmative steps must include:

- (1) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;
- (2) Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;
- (3) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
- (4) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises;
- (5) Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce ; and
- (6) Requiring the prime contractor, if subcontracts are to be let, to take the affirmative steps listed in paragraphs (1) through (5) of this section.

Company Name Discovery Information Technologies, Inc.

Name of authorized representative Delilah Fadhli

Signature of authorized representative 

Date 08/11/2016

SUSPENSION OR DEBARMENT CERTIFICATE

Non-Federal entities are prohibited from contracting with or making sub-awards under covered transactions to parties that are suspended or debarred or whose principals are suspended or debarred. Covered transactions include procurement for goods or services equal to or in excess of \$25,000.00. Contractors receiving individual awards for \$25,000.00 or more and all sub-recipients must certify that the organization and its principals are not suspended or debarred.

By submitting this offer and signing this certificate, this bidder:

Certifies that no suspension or disbarment is in place, which would preclude receiving a federally funded contract under the EDGAR, §200.212 Suspension and debarment.

Vendor Name: Discovery Information Technologies, Inc.

Vendor Address: 904 Hwy 69, Nederland, TX 77627

Vendor E-mail Address: delilahf@discoveryit.com

Vendor Telephone: 409-727-7080

Authorized Company Official's Name: Delilah Fadhli

Signature of Company Official: 

Date: 8/11/16

FELONY CONVICTION NOTICE

Statutory citation covering notification of criminal history of contractor is found in the Texas Education Code #44.034. Following is an example of a felony conviction notice:

State of Texas Legislative Senate Bill No. 1, Section 44.034, Notification of Criminal History, Subsection (a), states "a person or business entity that enters into a contract with a school district must give advance notice to the district if the person or an owner or operator of the business entity has been convicted of a felony. The notice must include a general description of the conduct resulting in the conviction of a felony." Subsection (b) states "a school district may terminate a contract with a person or business entity if the district determines that the person or business entity failed to give notice as required by Subsection (a) or misrepresented the conduct resulting in the conviction. The district must compensate the person or business entity for services performed before the termination of the contract."

THIS NOTICE IS NOT REQUIRED OF A PUBLICLY-HELD CORPORATION

Complete only one of the three below: A or B or C.

I, the undersigned agent for the firm named below, certify that the information concerning notification of felony convictions has been reviewed by me and the following information furnished is true to the best of my knowledge.

Official: Delilah Fadhli
Print Authorized Company Official's Name

A. My firm is a publicly held corporation; therefore, this reporting requirement is not applicable.

Signature of Authorized Company Official: _____

B. My firm is not owned nor operated by anyone who has been convicted of a felony:

Signature of Authorized Company Official: 

C. My firm is owned or operated by the following individual(s) who has/have been convicted of a felony:

Name of Felon(s): _____

Details of Conviction(s): _____

Signature of Authorized Company Official: _____

CONTRACT Signature Form

The undersigned hereby proposes and agrees to furnish goods and/or services in compliance with the terms, specifications and conditions at the prices quoted unless noted in writing. The undersigned further certifies that he or she is an authorized agent of the company and has authority to negotiate and contract for the company named below.

Company Name: Discovery Information Technologies, Inc.

Mailing Address: 904 Hwy 69

City: Nederland


State: TX

Zip: 77627

Telephone Number: (409) 727-7080

Fax Number: (409) 727-2456


Email Address: delilahf@discoveryit.com

Authorized Signature: 

Printed Name: Delilah Fadhli

Position: Vice President

This contract is for a total TERM of one year with the option of two additional years. Vendors shall honor the participation fee for any sales made based on the TIPS contract. Failure to pay the fee will be grounds for termination of contract and will affect the award of future contracts.


TIPS Authorized Signature _____ September 22, 2016
Date


Approved by Region VIII ESC _____ September 22, 2016
Date

References

**** Must have at least 3 References. References must be School, City, County, University, State Agency or Other Government.**

Organization	City	State	Contact Name	Contact Phone
Port Arthur Independent School	Port Arthur	TX	Anthony Jackson	409-989-6100
Nederland Independent School	Nederland	TX	Cindy Laird	409-726-2242
West Orange-Cove Consolidated	Orange	TX	Elvis Rushing	409-882-5421
Region V Education Service Center	Beaumont	TX	Kyle Fisher	409-951-1732
City of Nederland	Nederland	TX	William Spell	409-723-1510
Port Arthur Housing Authority	Port Arthur	TX	Cele Quesada	409-982-6442

Certificate of Completion

On this Twenty-Eighth Day of January, Two Thousand Fifteen
Presented to:

Daniel Morton

For successfully completing requirements for and attaining the title of



Control Professional

Jim Clements

Director of Education
& Training



Andrew C. Edmunds

President

Certificate of Completion

On this Thirtieth Day of January, Two Thousand Fifteen
Presented to:

Daniel Morton

For successfully completing requirements for and attaining the title of



XTP Systems Technician

Jim Clements

Director of Education
& Training



Andrew C. Edwards

President

Certificate of Completion

On this First Day of December, Two Thousand Fourteen
Presented to:

Daniel Morton

For successfully completing requirements for and attaining the title of



AV Associate

Jim Clements

Director of Education and Training



Robert C. Edwards

President



**Pro Audio Technical Specialist
Technical Specialist**

Proudly Presented To:

Daniel Morton

For the successful completion of the requirements of ClearOne University's
Pro Audio Technical Specialist Technical Specialist Course

May 4, 2015

XI4ULfGIWo



A handwritten signature in black ink, appearing to read 'Zeynep Hakimoglu'.

Zeynep Hakimoglu, Chief Executive Officer



**Media Carts
Product Specialist**

Proudly Presented To:

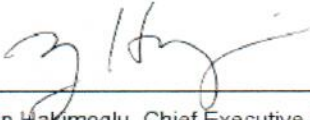
Daniel Morton

For the successful completion of the requirements of ClearOne University's
Media Carts Product Specialist Course

April 16, 2015

3J6sP4KbFv




Zeynep Hakimoglu, Chief Executive Officer



**Digital Signage
Product Specialist**

Proudly Presented To:

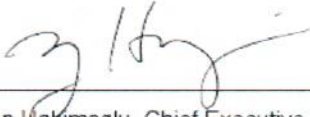
Daniel Morton

For the successful completion of the requirements of ClearOne University's
Digital Signage Product Specialist Course

April 16, 2015

hS7C9qslwE




Zeynep Hakimoglu, Chief Executive Officer



Collaborate Video Conferencing Product Specialist

Proudly Presented To:


Daniel Morton

For the successful completion of the requirements of ClearOne University's
Collaborate Video Conferencing Product Specialist Course

April 15, 2015

VtsqmrX19E




Zeynep Hakimoglu, Chief Executive Officer



Audio/Video Distribution and Control Product Specialist

Proudly Presented To:

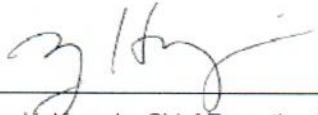
Daniel Morton

For the successful completion of the requirements of ClearOne University's
Audio/Video Distribution and Control Product Specialist Course

March 25, 2015

wGGP2donun




Zeynep Hakimoglu, Chief Executive Officer



With Managed Technology Services and Solutions from Discovery I.T., we take care of the day-to-day management of your technology, so you can focus on managing your business. Services include:

- **Managed Services:** Enjoy end-to-end management and support of all your IT needs, including an end user help desk, all for a fixed, budgetable monthly cost.
- **Infrastructure Optimization:** Explore performance-boosting, cost-saving technologies including server, storage and desktop virtualization, cloud computing, and remote hosting.
- **Backup & Disaster Recovery:** Restore your systems and be back in business in minutes, not hours or days, *no matter what happens*.
- **Unified Threat Protection:** Regain peace of mind with firewalls, filters and data security systems that stop hackers, spam, viruses and malware in their tracks.
- **Unified Communication Systems:** Integrate your voice mail with your e-mail using our advance Voice-over IP (VoIP) phone systems; our mobility solutions allow you to take your calls on practically any device, anywhere.
- **Structured Cabling, Network Infrastructure:** Run reliably with state of the art network cabling, switching and routing infrastructure to support your business.
- **Trusted Advisors:** Since our primary goal is a long-term, successful relationship with each and every client, you can count on us to work with you to help align your technology strategies with your business goals. Bring your business to the next level with our comprehensive, long-term insights, advice and planning.

Discovery Information Technologies provides world-class Technology Support and Services to businesses that are looking to increase efficiency, reliability and profitability.

"We Make IT Happen" by offering best of breed technology solutions coupled with our extensive technical expertise and outstanding customer service. With Discovery I.T. as your single point of contact for all things IT, you can:

- Enhance productivity and eliminate costly downtime
- Control and predict IT spending
- Safeguard your business against IT outages and data loss
- Get more value from your IT investment

Discovery I.T. offers the Technologies and Services that take your business to the next level, all at a cost that any business can afford. By partnering with Discovery I.T., you work with a company whose core competence is maintaining high availability and functionality of IT through expertise in a broad range of leading edge, best of breed technology. Long-term, mutually successful customer relationships are our primary goal, so everything we do is designed, built and implemented with your business interests and goals in mind. You can rest comfortably knowing you've made a good investment by partnering with Discovery I.T.

Professional Services for Your Business

Discovery I.T.'s professional services are designed for the business owner who wants to run a business, not a technology infrastructure. Through our flat-rate ProMSP Managed IT Services, we make your technology concerns our responsibility...all of it! And at a fraction of the cost of employing an in-house IT team. Now you can look at IT as a predictable investment rather than a costly burden for your business. We take care of the day-to-day management of your technology, so you can focus on managing your business.

ProMSP Managed Services from Discovery I.T. include:

- All your IT service, support and management needs covered at a predictable, fixed monthly cost.
- 24/7/365 proactive monitoring of all your IT systems allowing us to fix issues before they affect you.
- Expedited Remote and Onsite support services to resolve any issues as soon as they occur.
- Professionally Staffed Help Desk giving you and your users immediate access to engineers and support specialists.
- Disaster Planning, Recovery and Business Continuity Planning.
- Reliable Update and Patch Service that ensures all your systems have the latest security updates and patches so they continue to perform securely and reliably.
- Backup Management to ensure that your data backups are performed and verified on a routine basis so your data is always there when you need it.
- Network and System Security management, monitoring, and remediation to ensure that you are constantly protected from all threats to your IT systems.
- Virtual CIO/Trusted Advisor to work with you to help align your technology strategies with your business goals through comprehensive, long-term insights, advice and planning.



Your Value-Added Source for HP Quality

Discovery I.T. is your value-added source for HP computers, networking, storage, and peripheral devices for your business. As the world's largest technology company, HP offers the most complete IT solutions available in the market today. HP technologies include:

- Workstations, desktop computers, notebooks, and thin clients
- ProLiant and BladeSystem servers optimized for virtualization
- Consolidation-ready storage devices and storage networks
- Wireless and wired networking equipment
- Printers, scanners, and all-in-one devices

Discovery I.T. offers trusted expertise to help you acquire and implement the solutions you need to support key strategic initiatives such as virtualization, cloud computing and site hosting. Your partnership with Discovery I.T. continues for the lifetime of your solution, with support and service dedicated to ensuring your ongoing success and satisfaction.

From addressing everyday computer concerns to tackling a full spectrum of network needs, their level of technical expertise surpasses our firm's requirements. Thanks to a wonderful support team!

— Tina Guidry
Jackson Jenkins Renstrom LLP
(Beaumont Office)

It is good to see a company that still cares about what the customer thinks of their work and looks professional doing it.

— Ricky Adams
Technology Infrastructure Technician
Silsbee Independent School District

Solutions that make sense for your business

Many small businesses find it challenging to deploy, maintain, and protect their technology. Whether you're looking to keep IT costs predictable, avoid unexpected problems, communicate more effectively or put a plan in place for business continuity, Discovery Information Technologies has a solution for you.



Get a FREE Network Assessment

Get a no-charge survey of your network's current strengths and opportunities for improvement. This complimentary assessment includes:

- Identification of potential lapses in security, risk of data loss, power areas of failure and sources of system downtime.
- Suggestions for protecting your network against even the most invasive and deadly computer viruses, hackers and spam.
- Recommendations for accelerating your entire computer network, while potentially cutting costs.
- Verification of backup and disaster recovery preparedness to avoid loss of critical business data and extended loss of operations.
- A written report that documents your "Network Health Score" and all of Discovery I.T.'s findings and recommendations.

CALL DISCOVERY I.T. TODAY

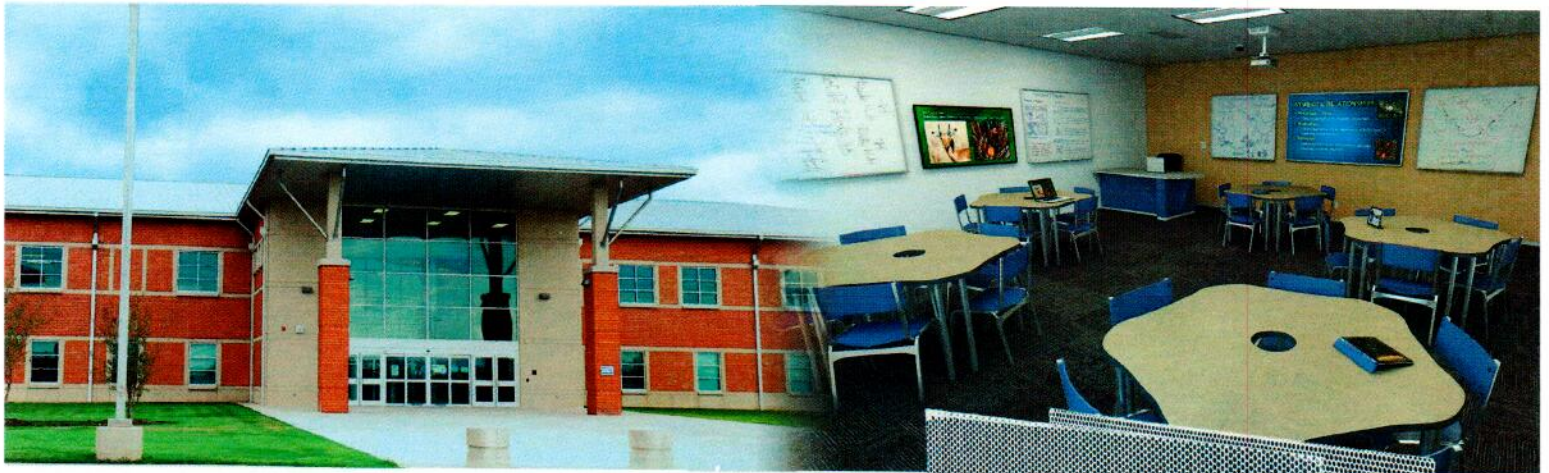
Solutions from Discovery Information Technologies are quick, easy, and economical to implement. Powerful and flexible technology solutions from Discovery Information Technologies deliver exactly the reliability and performance you need to get the most out of your business technology investment.

Contact us to learn more about how Discovery I.T. can make technology work for your company. We'd love to discuss the possibilities with you.

PoleVault Digital Systems

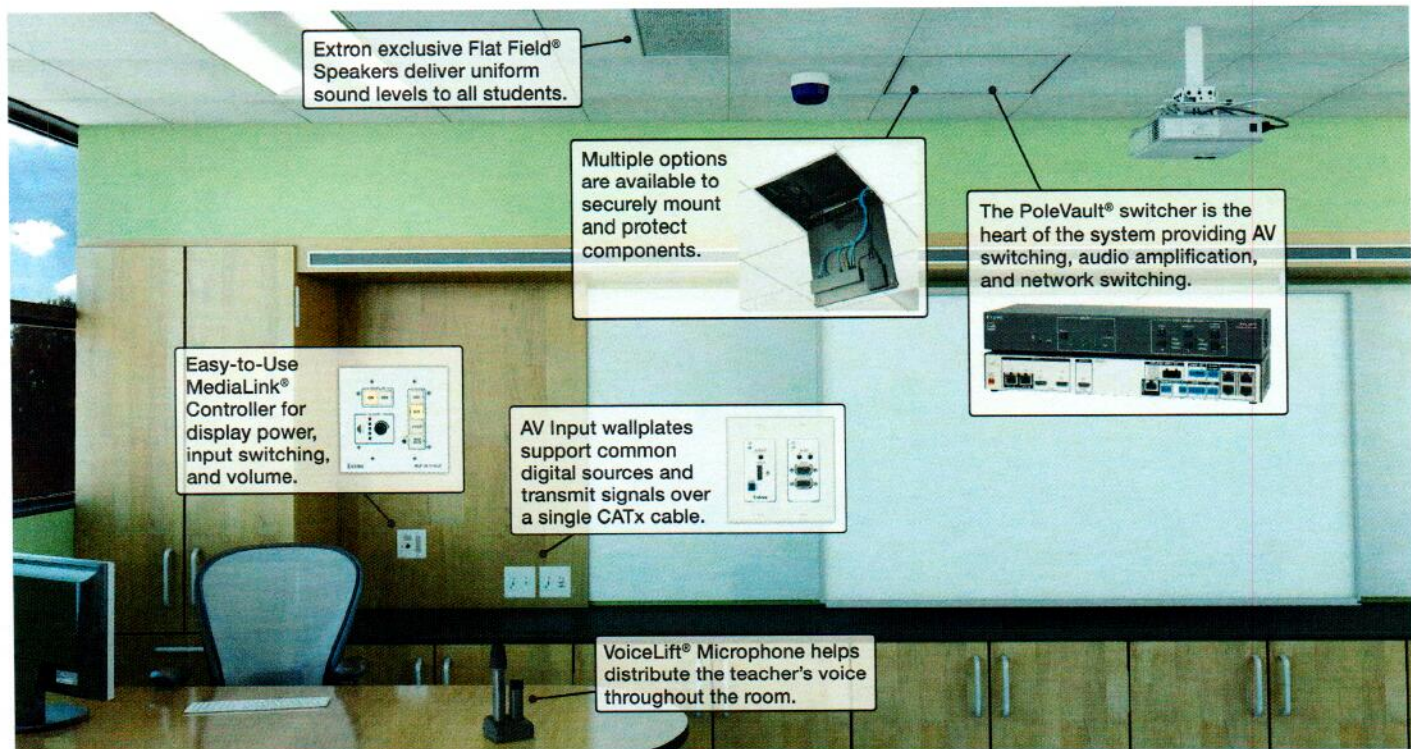
Complete Classroom AV Switching and Control Systems for Digital Sources

- ▶ Complete, centralized HDMI/VGA switching and control systems with stereo audio amplification
- ▶ Securely mount and conceal switching and audio components
- ▶ AV Input wallplates transmit audio and video signals over a single CATx cable
- ▶ Local HDMI inputs
- ▶ Integrated network switch allows devices to share a single drop
- ▶ Network connectivity for Web-based monitoring
- ▶ ENERGY STAR® qualified switcher designed to lower energy usage



Extron Electronics
INTERFACING, SWITCHING AND CONTROL

Complete Classroom AV Solution



Extron **PoleVault Digital Systems** are complete, easy-to-use AV switching and control systems that seamlessly integrate digital and analog video sources. Each system uses economical twisted pair cable for transmitting signals and includes network connectivity for Web-based AV resource management, monitoring, and control. These standard systems include all the necessary audio and video switching, system control, source connectivity, audio amplification, speakers, mounting hardware, and cabling for a complete classroom AV solution. All that remains is to add the display device and sources.



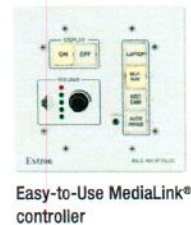
Designed for K-12 Classrooms

When it comes to adding an AV control system to the classroom, educators, instructional technologists, and school administrators have told us they have three primary concerns: the system should be easy to use, reliable, and sized properly to meet the needs of the classroom.

PoleVault Digital systems are designed to create a complete classroom AV technology integration solution that offers benefits for all stakeholders. Teachers will enjoy the simplicity of the system controller and enhanced sound quality. Students will benefit because technology that is easy to use gets used more often. Administrators will appreciate the ability to centrally monitor all classroom systems using the network, as well as the ability to expand video and audio capabilities beyond that of the display device.

Easy-to-Use AV Room Control

One of the most important features of any classroom technology is ease of use. No matter how new or helpful a piece of technology, if it is difficult to operate, it is unlikely to be used to its full potential. Extron classroom systems include a centralized control panel that is intuitive and easy to operate. It replaces traditional handheld IR remotes that are so easily lost or stolen, and eliminates the need for battery replacement.



Whether you choose our standard button panel or optional touchpanel, teachers will experience more freedom and functionality. When Extron systems are installed in multiple classrooms, teachers can confidently move from room to room, always encountering the same familiar control panel.

PoleVault Digital Benefits

Software Control Options

Extron offers a variety of software options for controlling PoleVault Digital Systems from a Web page or iPad®.

Web-Based Graphical User Interface allows the system to be controlled from any computer running Internet Explorer with access to the network.



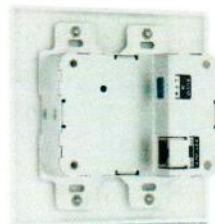
Extron Control is an AV control system app designed for the Apple® iPad. Presenters can wirelessly control the AV system using a Wi-Fi network, allowing them the freedom to move throughout the room.

High Resolution Digital Video Connections

Two local HDMI inputs and two PVT twisted pair inputs provide support for up to six of the most common classroom AV sources. Local inputs are ideal for sources that do not need direct user access, including Extron ShareLink, Apple® TV, CATV tuners, and streaming decoders. PVT wallplates can be placed near the teacher's desk and other locations in the classroom to support instructor and student sources, including laptop, tablet, Blu-ray player, document camera and more.

Twisted Pair Transmission

PoleVault Digital Systems provide high reliability and maximum performance on an economical and easily installed cable infrastructure. Input wallplates use Extron twisted pair technology to transmit high resolution digital audio and video signals to the switcher over a single CATx shielded twisted pair cable.



AV Input wallplates transmit AV signals over a single CATx cable

CATx cable offers lower cost and easier installation than standard digital video cable. It is lighter, smaller and more flexible, so it is easier to route through walls and small conduit. CATx cable connectors are also easier to terminate and don't require highly skilled and costly technicians for installation.

Advanced Source Switching

A unique modular approach to system design gives PoleVault



PVS 407D PoleVault Switcher

Digital Systems the flexibility to support both HDMI and VGA video sources. The PVS 407D switcher at the heart of these systems does

all the work of routing audio, video, and network signals. It offers two local inputs, two PVT twisted pair inputs, and one switched audio input. This capability allows expansion of the classroom AV signal switching far beyond what is available using projector switching alone.

EDID Minder®

PoleVault Digital Systems also include EDID Minder, an Extron exclusive technology that provides automatic and continuous Extended Display Identification Data management. EDID Minder ensures that the source powers up properly and reliably outputs content to the display.



FF 120 plenum rated speakers utilize Extron exclusive Flat Field technology and wide dispersion to fill the room with high quality sound

Flat Field Speakers

Extron FF 120 speakers are full range, wide dispersion speakers that drop easily into standard suspended ceilings. Extron patented Flat Field technology makes this speaker truly unique by reducing beaming and delivering consistent sound levels across the listening area to each student. Only two FF 120 speakers are required in most standard classrooms, as opposed to four or more traditional ceiling speakers. For rooms that cannot support ceiling speakers, optional surface mount speakers can be installed near the projection screen or display.

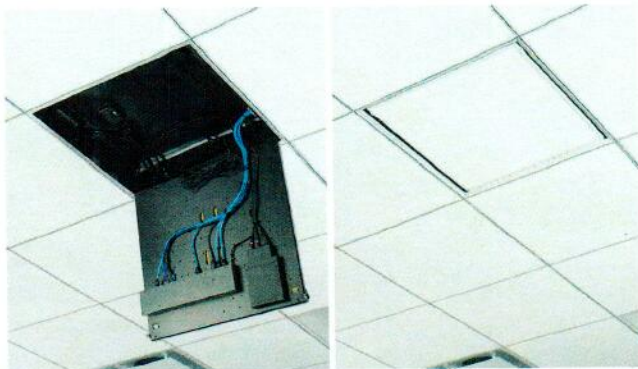
Advanced Audio Capabilities

The integrated 50 watt stereo audio amplifier in the PVS 407D is capable of filling the room with clean, rich sound. Switched and auxiliary line-level inputs support audio only sources such as music players or public address systems. A line level output allows system audio to be used for podcasting or assistive listening. Audio file playback allows the system to play pre-recorded audio announcements stored in switcher memory.

Network Connectivity

PoleVault Digital Systems feature network integration technology specifically engineered to meet the needs of professional AV environments. Network integration enables administrators and support personnel to configure, manage, monitor, schedule, troubleshoot, and control systems over the network. The IP enabled switcher features a four port Ethernet switch that allows up to three devices within the classroom to share a single network drop.

PoleVault Digital Benefits



PlenumVault® protects components and saves floor space by mounting equipment in the ceiling

Mounting Options

System options are available to support classrooms with any type of display device mounted on the ceiling or a wall. All four system types offer secure mounting for critical AV system equipment.

Digital PoleVault Systems securely mount and conceal system components above the projector. A projector drop ceiling mount is included with an adjustable pole and universal projector bracket.

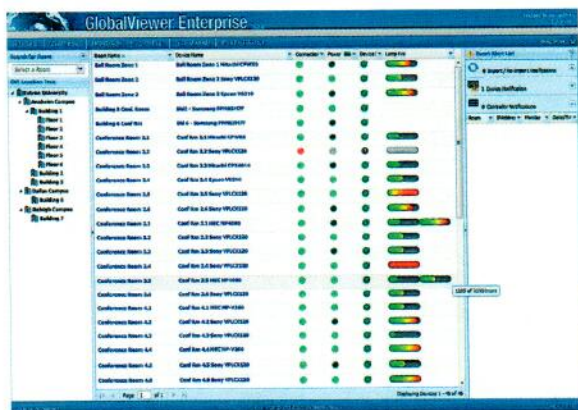
Digital PlenumVault® Systems securely mount and conceal system components in the plenum area above a suspended ceiling. Options are available with or without projector mounting hardware.

Digital WallVault® Short-Throw Systems include an ultra short-throw projector mount and equipment enclosure for securing system components on the wall.

Digital WallVault Wall Mount Systems also secure and mount system components on the wall, but are designed for classrooms with a flat panel display or wall mounted projector.

Powerful AV Resource Management Software

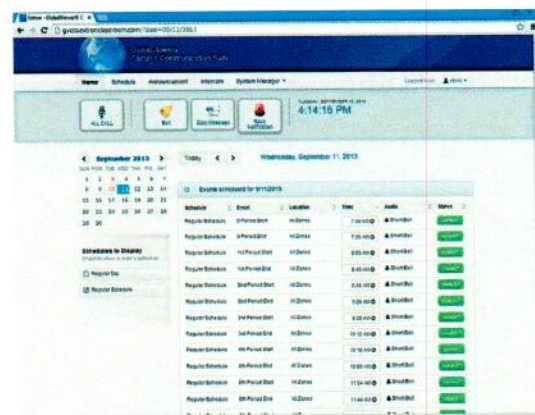
GlobalViewer® Enterprise software is a powerful server-based AV resource management tool. It provides school or district-wide



management, monitoring, and usage reporting of classroom AV systems over the network. Administrators can limit classroom system availability and create detailed shut-off schedules. This prevents unauthorized use, reduces operating costs, and extends the life of system components. Management reports can be used to maintain inventory lists, track and analyze device and room usage, and proactively plan maintenance activities to reduce system downtime. Remote management provides real-time status for all connected devices for better troubleshooting response with a small support staff.



iGVE allows support staff to effectively manage and control large-scale AV installations using an Apple® iPad® iPhone® or iPod® touch. iGVE is easy-to-use, and provides a powerful feature set comprised of all the most common GVE monitoring, control, and helpdesk functions.



GlobalViewer Campus Communication Suite is a complete solution for unifying all campus audio systems under an easy-to-use interface. The suite leverages the power of your existing network to provide bells, public address announcements, and intercom communications throughout the campus. The user interface is Web-based and allows office personnel to easily manage bell schedules, broadcast announcements to various zones, or have two-way conversations with classrooms.

PoleVault Digital Benefits



Energy Efficiency

The ENERGY STAR® qualified switcher is designed to shut off automatically, or go into standby mode when not in use, reducing operating costs and extending the life of system components.

VoiceLift® Microphone Option

The Extron VoiceLift Microphone option helps create a "sound field" that allows the teacher's voice to be heard clearly throughout the classroom. Studies show that use of a sound field system results in increased student achievement and a reduction in teacher health issues related to voice fatigue. The compact pendant microphone can be worn around the teacher's neck or clipped onto their clothing. The handheld microphone is ideal for student use, team teaching, or guest speakers.



Instant Alert

The Instant Alert capability of Extron VoiceLift Microphone provides instructors a quick and discreet way to signal for assistance in the event of an emergency in the classroom. Simply press and hold both volume buttons on the VoiceLift Pendant Microphone for three seconds. This instructs an Ethernet-enabled MediaLink controller to notify school administration officials or campus authorities via e-mail or text message.

In addition to text indicating that assistance is needed, Instant Alert and the Classroom AV System can be integrated with an IP camera surveillance system to provide both visual and audio feedback from the classroom. This extra layer of security allows officials to view and listen to activities in the classroom when and Instant Alert is triggered, allowing them to determine the best course of action such as summoning police or medical personnel, or starting lock down procedures.



Extron Satisfaction Guarantee

To underscore our S3 commitment to Service, Support, and Solutions, we offer our Satisfaction Guarantee. This means we will work diligently to resolve any issue you have with your purchase until you are completely satisfied. Our dedicated K-12 Education Support Team will contact you after installation to ensure your satisfaction and that systems are being used to their full potential. We are prepared to do whatever it takes to make certain that the entire process of doing business with us is a positive and professionally rewarding experience for you.

Extron Classroom Technology Grant Program

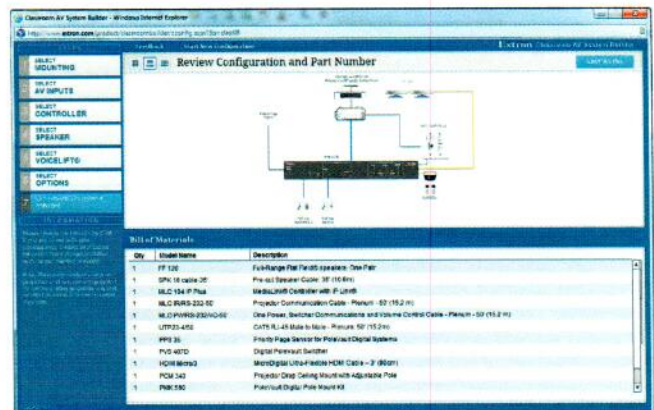
Extron's Classroom Technology Grant Program is just one more example of our commitment to enhancing the K-12 learning environment. The program provides increased visibility and expanded access for AV technology by supplying selected pilot classrooms with advanced audio video solutions at no cost to the district. Each grant award also includes installation of Extron classroom system technology, along with complete training. For more information, or to apply for the program, contact the K-12 Education Support Team, or visit our web site at www.extronclassroom.com/grant.

State Contract/GSA Pricing

Extron Classroom System products are listed on cooperative purchasing agreements available in most states. These agreements provide not to exceed pricing for schools, libraries, government, and other eligible non-profit agencies. By centralizing the process, these agreements save you time and money. Extron does not sell directly to end users, but contract pricing is available through our Authorized Resellers. Visit www.extronclassroom.com/contracts for contract listings by state.

Online System Builder

The Classroom AV System Builder is an online, drag-and-drop configuration utility that allows users to customize Extron classroom AV systems. The dynamic, graphical user interface makes system customization easy. Helpful wizards ensure that only valid systems are built and vital accessories are included. You begin designing your system with a standard configuration. Then customize the inputs, controller, speakers, mounting, cabling, and more to create a system that meets your requirements. When customization is complete, the System Builder will generate a single part number, making it easy to specify and order each custom system.

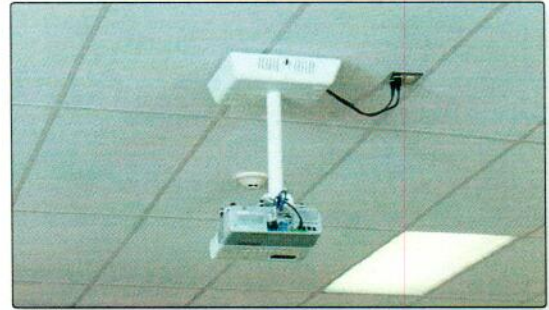


PoleVault Digital Classroom AV Systems

PoleVault Systems

Digital PoleVault systems are ideal for classrooms with a ceiling mounted projector. The unique PMK 560 Pole Mount Kit securely mounts and conceals system components above the projector. A projector drop ceiling mount is included with adjustable pole and universal projector bracket. The PVS 201D system offers two local HDMI inputs as well as HDMI and VGA on a PVT wallplate. The PVS 401D system offers two local HDMI inputs as well as three HDMI and one VGA on two PVT wallplates.

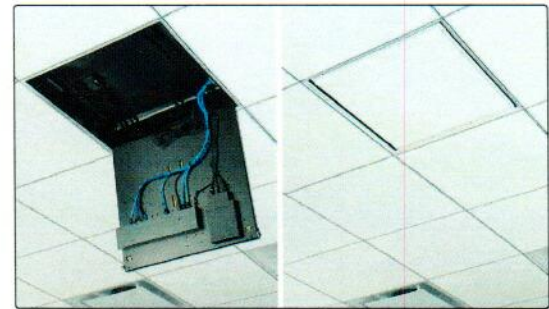
Model	Version	Part Number
PVS 201D	2+2 Input Digital PoleVault	42-307-03
PVS 401D	4+2 Input Digital PoleVault	42-308-03



PlenumVault Systems

Digital PlenumVault systems use the PVM 220 PlenumVault Mounting Kit that securely mounts and conceals system components in the plenum area above a suspended ceiling. Ceiling Mount versions include a projector drop ceiling mount with adjustable pole and universal projector bracket. No Mount versions do not include projector mounting. The PLS 200 series systems offer two local HDMI inputs as well as HDMI and VGA on a PVT wallplate. PLS 400 series systems offer two local HDMI inputs as well as three HDMI and one VGA on two PVT wallplates.

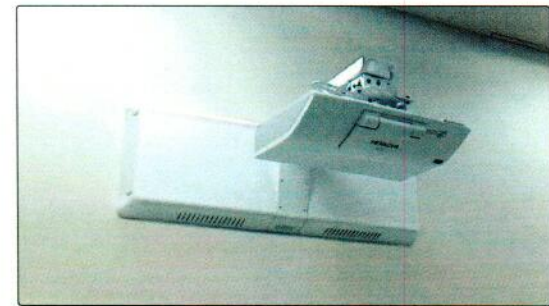
Model	Version	Part Number
PLS 201D	2+2 Input Digital PlenumVault, ceiling mount	42-320-03
PLS 401D	4+2 Input Digital PlenumVault, ceiling mount	42-321-03
PLS 211D	2+2 Input Digital PlenumVault, no mount	42-330-03
PLS 411D	4+2 Input Digital PlenumVault, no mount	42-331-03



WallVault Short-Throw Systems

Digital WallVault Short-Throw systems were specifically developed for classrooms with an ultra short-throw projector. The unique USFM 100 ultra short-throw projector mount and equipment enclosure securely mounts the projector to a wall, and conceals system switching and amplification components. The WVS 201D system offers two local HDMI inputs as well as HDMI and VGA on a PVT wallplate. The WVS 401D system offers two local HDMI inputs as well as three HDMI and one VGA on two PVT wallplates.

Model	Version	Part Number
WVS 201D	2+2 Input Digital WallVault with USFM 100	42-309-03
WVS 401D	4+2 Input Digital WallVault with USFM 100	42-310-03



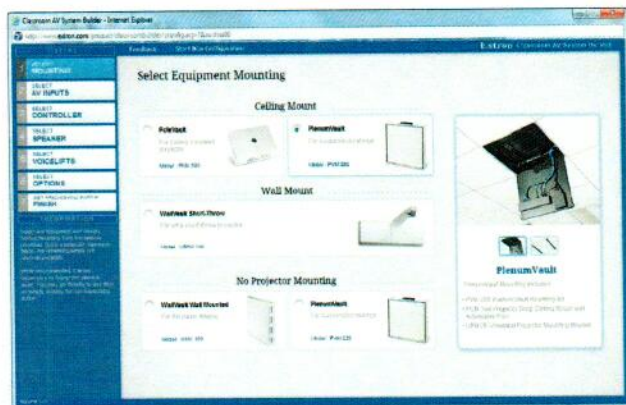
WallVault Wall Mounted Systems

Digital WallVault Wall Mount systems were designed for classrooms with a flat panel display or wall mounted projector. They take their name from the unique WMK 160 wall mount kit that securely mounts and conceals system switching and audio amplification components to a wall. The WVS 211D system offers two local HDMI inputs as well as HDMI and VGA on a PVT wallplate. The WVS 411D system offers two local HDMI inputs as well as three HDMI and one VGA on two PVT wallplates.

Model	Version	Part Number
WVS 211D	2+2 Input Digital WallVault with WMK 160	42-311-03
WVS 411D	4+2 Input Digital WallVault with WMK 160	42-312-03



Online System Customization



Select the appropriate mounting, AV inputs, controller, speakers, and other components that meet your requirements

Classroom AV System Builder

FREE Online Tool for Customizing Systems

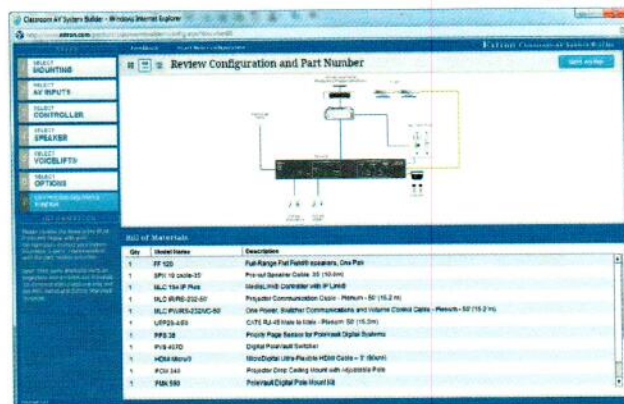
The Classroom AV System Builder is an online, drag-and-drop configuration utility that allows users to customize Extron classroom AV systems. The dynamic, graphical user interface makes system customization easy. Helpful wizards ensure that only valid systems are built and vital accessories are included. You begin designing your system with a standard configuration. Then customize the inputs, controller, speakers, mounting, cabling, and more to create a system that meets your requirements.

Export Diagram and Bill of Materials

The Classroom AV System Builder provides the ability to export the system diagram and bill of materials as a PDF. This helps you verify all components are included and may be used as a reference for bid specifications.

KEY FEATURES

- Free online tool for creating customized systems that meet your requirements
- Select from available options using an intuitive drag-and-drop interface
- View and print the system diagram and bill of materials, including quantities, product descriptions, and total discounted pricing
- Creates custom part number to save time, money, and paperwork
- Export system information to a PDF



When finished, the system builder will provide the custom part number, diagram, parts list, and pricing

Custom Part Number

Each Classroom AV System includes over 15 separate components. Ordered separately, each of these items would require listing a part number and price on the purchase order. When you use the Classroom AV System Builder, it will automatically generate a single part number for each customized system. With the Classroom AV System Builder, you'll save money, time, and paperwork.

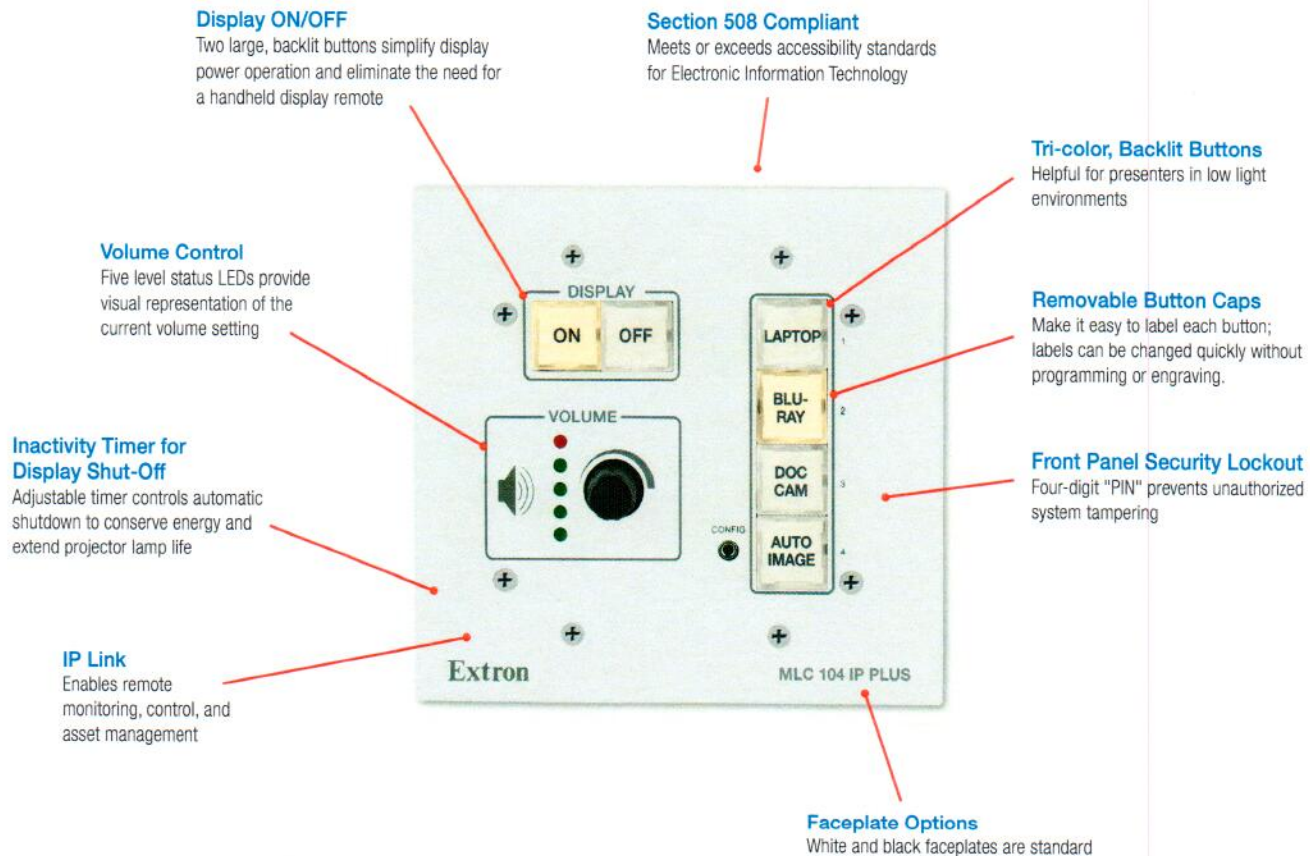
Convenient 24/7 Access

The Classroom AV System Builder is available 24 hours a day, seven days a week, absolutely free-of-charge. To access the Classroom AV System Builder, visit www.extronclassroom.com/CC

System Controller

MLC 104 IP PLUS MEDIALINK CONTROLLER

The Extron MLC 104 IP Plus MediaLink Controller with built-in IP Link® Ethernet Control included in standard PoleVault Systems is an easy-to-use control panel. It is designed to simplify operation of the classroom AV system and enables Web-based remote diagnostics, asset management, and support. When PoleVault Systems are installed in multiple classrooms, the MLC 104 IP Plus standardizes the control interface, making AV systems simple to use for anyone.



FEATURES

- Two bidirectional RS-232 ports for universal display and switcher control
- Three digital I/O ports configurable as a digital input or digital output for sensors, switches, LEDs, and relays
- Dedicated IR port for control of IR-controllable display devices and source equipment, such as VCRs and DVD players
- IR learning capability for capturing IR remote codes from a device's handheld remote control
- Adjustable timer controls automatic shutdown to preserve energy and extend projector lamp life
- Front panel security lockout prevents unauthorized tampering
- Tri-color, backlit, easy-to-label buttons
- Volume control knob with volume indication
- IP Link Ethernet monitoring and control
- Integrated high performance Web server with 7.25 MB flash memory for storing device drivers, GlobalViewer, and custom user Web pages

PoleVault Switcher

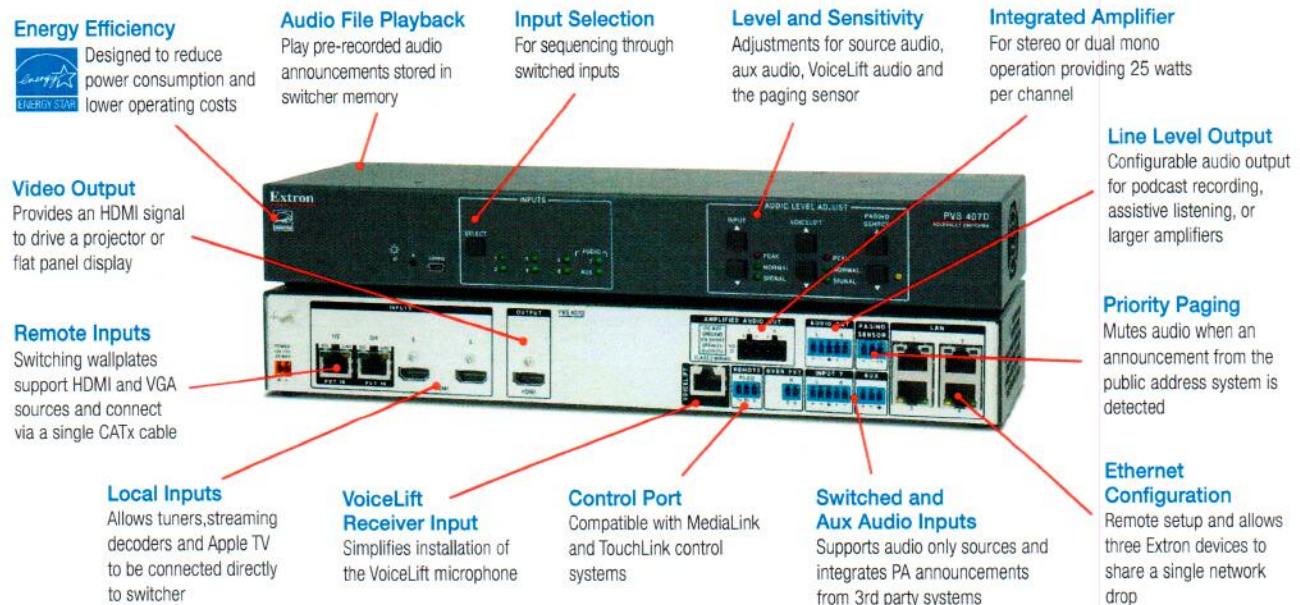
The PVS 407D is the latest generation PoleVault twisted pair AV switcher and the central component of Extron Classroom Systems.

The switcher provides two local HDMI inputs and two twisted pair remote inputs. Local inputs are ideal for sources that do not need direct user access such as Extron ShareLink, Apple® TV, CATV tuners, and streaming decoders. The twisted pair inputs work with switching PVT wallplates to provide HDMI and VGA connections within the classroom. They can be placed by the teacher's desk or other locations within the classroom to support instructor and student sources such as a laptop, tablet, Blu-ray player, document camera and more. Wallplates transmit high resolution digital audio and video signals to the switcher over a single CATx shielded twisted pair cable.

The PVS 407D features sophisticated audio capabilities. The integrated 50 watt stereo audio amplifier is capable of driving up to four Extron speakers and filling the room with full, rich sound. The VoiceLift® receiver input simplifies VoiceLift microphone installation. Switched and auxiliary line-level inputs support audio only sources such as music players or public address systems. A line level output allows system audio to be used for lecture capture, podcasting, or assistive listening. Audio file playback allows the system to play pre-recorded audio announcements stored in switcher memory.

As an ENERGY STAR® qualified AV product, the PVS 407D switcher includes Extron-exclusive power saving modes designed to lower energy usage and reduce operating costs.

The PVS 407D also provides Ethernet configuration and a network switch. This allows the switcher to be configured and controlled over the network as well as data access for three additional devices over a single network drop.

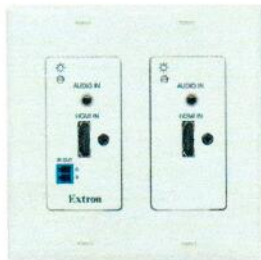


FEATURES

- Two local HDMI inputs and two twisted pair inputs support up to six common classroom AV sources
- Receives HDMI and VGA video and audio signals from PVT dual input switching wallplates over a single CATx cable
- Integrated 50 watt rms audio amplifier for stereo or dual mono audio
- Audio file playback allows the system to play pre-recorded audio announcements stored in switcher memory
- Ethernet configuration and switch for remote setup and allowing three devices to share a single network drop
- ENERGY STAR® qualified AV product designed to lower energy usage and reduce operating costs
- VoiceLift receiver input simplifies installation of the VoiceLift microphone
- Switched and auxiliary line-level inputs support music players and 3rd party public address systems
- Configurable audio line output for podcast recording, assistive listening systems, or adding an additional amplifier
- Paging Sensor input mutes program audio when a PA announcement is detected

System Components

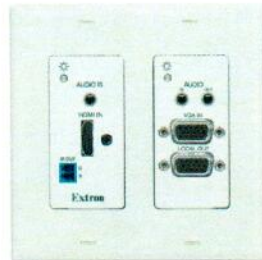
INPUT WALLPLATES



PVT HDMI

PoleVault Digital Input, Dual HDMI - Decora® Wallplate

- Two input switcher - transmits the selected HDMI video and audio signals to a PVS 407D switcher over one CATx cable
- HDCP compliant
- EDID Minder® automatically manages EDID communication between connected devices
- IR pass-through provides control connections for DVD/VCR players, tuners, switchers, or other IR controllable devices



PVT HDMI RGB

PoleVault Digital Input, HDMI and VGA - Decora® Wallplate

- Two input switcher - transmits HDMI or VGA computer video and audio signals to a PVS 407D switcher over one CATx cable
- HDCP compliant
- Built-in VGA distribution amplifier provides local monitor output
- Audio pass-through supplies PoleVault audio content for podcasting or assistive listening systems
- EDID Minder® automatically manages EDID communication between connected devices

SWITCHER

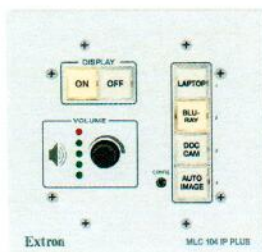


PVS 407D

IP-Enabled Digital PoleVault Switcher with Integrated Audio Amplifier

- Two local HDMI inputs and two twisted pair inputs support up to six common classroom AV sources
- Receives HDMI and VGA video and audio signals from PVT dual input switching wallplates over a single CATx cable
- Integrated 50 watt rms audio amplifier for stereo or dual mono audio
- Four port network switch for configuration and allowing three additional devices to share a single network drop
- ENERGY STAR® qualified AV product designed to lower energy usage and reduce operating costs

CONTROLLER

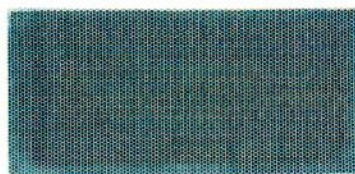


MLC 104 IP Plus

MediaLink Controller with IP Link

- Two bidirectional RS-232 ports for display and switcher control
- IP Link Network monitoring and control
- Front panel security lockout
- Configurable tri-color backlit buttons
- Volume control with indicators
- Support for optional IRCM control modules

AUDIO



FF 120

Extron Exclusive Patented Flat Field Speaker

- Plenum rated ceiling speakers designed for classrooms with a drop ceiling
- 1' x 2' (30.5 cm x 61 cm), 4.7 lb (2.1 kg) drop-in ceiling tile enclosure for suspended ceilings
- Extron patented Flat Field Technology for consistent sound levels across the listening area
- 3" (7.6 cm) horn-loaded, full-range driver provides extended low frequency reproduction
- Wide 170° dispersion
- Designed and manufactured by Extron



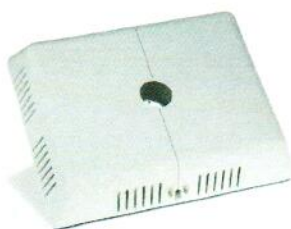
VoiceLift Microphone

Infrared Wireless Microphone For Use With PoleVault Systems

- Lightweight pendant microphone can be worn around the neck or clipped onto clothing
- Handheld microphone is ideal for student use, team teaching, or guest speakers
- Advanced DSP suppresses feedback while maximizing sound quality and intelligibility
- System supports up to two microphones for each classroom
- Instant Alert feature on the pendant enables the teacher to request assistance with the push of a button

System Components

MOUNTING HARDWARE



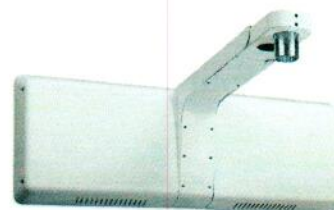
PMK 560 PoleVault Digital Pole Mount Kit

- Securely mounts PoleVault equipment above the projector.
- Provides adequate space for PoleVault equipment with designated locations for the switcher and power supply
- Low profile only requires 3" (7.7 cm) of height between projector and ceiling
- Lightweight design for reduced ceiling structure support requirements
- Built-in cable management with several tie down points for proper strain relief and dressing of excess cable.



PVM 220 PlenumVault Mounting Kit

- Large capacity mounting kit designed to fit in 2' x 2' US style suspended ceilings
- Securely mounts AV system components in the plenum space above a suspended ceiling
- Hinged room-side door for setup and maintenance
- Four integrated AC outlets
- Access door supports a tile insert to match the surrounding ceiling
- Temperature controlled fan provides additional ventilation when required



USFM 100 Ultra Short-Throw Projector Mount and Equipment Enclosure

- Integrated solution for wall-mounting an ultra short-throw projector and AV system components
- Protects AV system components from tampering and theft
- Adjustable arm accommodates projectors with a variety of throw distances up to 30 inches
- Base provides numerous holes to support mounting to wall studs with either 16-inch or 24-inch on center spacing
- Knockouts for conduit and raceway

MOUNTING HARDWARE



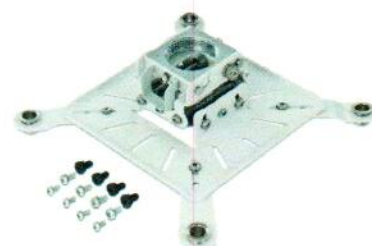
WMK 160 PoleVault Digital Wall Mount Kit

- Securely mounts AV system components to a wall
- Protects components from tampering and theft
- Designed for installations with a flat panel display or wall-mounted, short throw projector
- Large base plate offers a wide variety of mounting and cable management options
- Raceway knockouts are compatible with the most common surface mount systems



PCM 340 Projector Drop Ceiling Mount with Adjustable Pole

- Patent-pending projector drop ceiling mount with adjustable pole for use with suspended ceilings using 2'x2' or 2'x4' tiles
- Provides time- and cost-effective integration of projectors in small boardrooms and classrooms
- Includes single-space and double-space junction box openings
- 25" (63.5 cm) adjustable pole with range from 1.5" to 23" in 0.1 increments



UPB 125 Universal Projector Mounting Bracket

- Universal projector mount compatible with most projectors up to 15 pounds (6.8 kg) in weight
- Independent adjustment of horizontal tilt or roll, vertical angle or pitch, and rotation or yaw.
- Precise positioning adjustments are maintained even if projector is removed for service
- Includes all necessary projector mounting hardware

GlobalViewer Software

The Extron GlobalViewer family of software products allows support organizations to remotely control and manage AV assets over the network, dramatically increasing their efficiency and effectiveness.

GlobalViewer Enterprise

Extron GlobalViewer Enterprise AV asset management software allows administrators and support personnel to get the most from their classroom AV systems. It provides single-school up to district-wide access to AV components over the network for remote support, energy management, and planning.

Browser Independent
Accessible from anywhere on the network using Internet Explorer®, Firefox®, Safari®, and Google® Chrome

Room Location Tree
Rooms can be organized for easy drill down to detailed room data and remote room control Web pages.

Help Desk View
Offers a view of the entire enterprise in a single window and access to detailed room data with just a click of a mouse.

Enhanced Event Alert List
Dynamic view of user-defined critical room events broken out into three collapsible windows: import/re-import, device notification, controller notification

GlobalViewer Enterprise - Help Desk View

Remote Monitoring and Support – Real-time monitoring of all classroom AV assets on the network ensures they are up and running, and being used to their potential. For support issues, technicians can remotely access the AV equipment in a particular room to assist users with system operation. Disconnect and Event Alert email messages alert email the proper officials of a potential theft or other AV equipment problem in the classroom.

Energy Efficiency and Cost Savings – Automatically powering down AV components and scheduling system availability lowers operating costs and extends the life of equipment. Preventing projectors from being left on overnight or over the weekend allows lamps to last longer, and saves on energy bills.

Planning – Comprehensive reporting features provide important information for proactive maintenance and asset analysis. Lamp hour reports track usage and assist in lamp replacement scheduling. Usage reports for AV components provide important data for resource allocation, budgeting, and professional development.

iGVE – Extron also offers a mobile AV resource management App, iGVE. This powerful, convenient App is used in conjunction with Extron GlobalViewer Enterprise, and allows users to effectively manage and control large-scale AV installations from Apple iPhone and iPod touch devices.



GlobalViewer Campus Communication Suite

Extron GlobalViewer Campus Communication Suite is a complete solution for unifying all campus audio and video systems under an easy-to-use interface. The suite leverages the power of your existing network to provide bells, public address announcements and Intercom communications throughout campus.

Menu Bar
Easy access to schedules, live/pre-recorded announcements and system configuration

Quick Links
Make an immediate all call live or pre-recorded announcement with the push of a button

User Roles
Grant access to features based on user login

Web-Based
Runs in a standard Web browser from any computer on the network

Home Screen
Shows schedule of events for selected day

Schedule	Event	Location	Time	Audio	Status
Regular Schedule	0 Period Start	All Zones	7:50 AM	Short Bell	Click to play
Regular Schedule	0 Period End	All Zones	7:50 AM	Short Bell	Click to play
Regular Schedule	1st Period Start	All Zones	8:00 AM	Short Bell	Click to play
Regular Schedule	1st Period End	All Zones	8:40 AM	Short Bell	Click to play
Regular Schedule	2nd Period Start	All Zones	9:48 AM	Short Bell	Click to play
Regular Schedule	2nd Period End	All Zones	9:50 AM	Short Bell	Click to play
Regular Schedule	3rd Period Start	All Zones	9:52 AM	Short Bell	Click to play
Regular Schedule	3rd Period End	All Zones	10:12 AM	Short Bell	Click to play
Regular Schedule	4th Period Start	All Zones	10:18 AM	Short Bell	Click to play
Regular Schedule	4th Period End	All Zones	10:50 AM	Short Bell	Click to play
Regular Schedule	5th Period Start	All Zones	11:04 AM	Short Bell	Click to play
Regular Schedule	6th Period End	All Zones	11:44 AM	Short Bell	Click to play

Flexible Bell Scheduling

GlobalViewer Campus Communication Suite allows bell schedules to be created and maintained either locally or at the district level. You can quickly and easily set recurring bell schedules for each school day. For special events, such as a rally or holiday closure, the bell schedule can be modified or disabled.

Convenient Access to Public Address Announcements

GlobalViewer Campus Communication Suite supports both live public address messages and pre-recorded announcements. Zone capability allows announcements to be routed to all locations on campus, a particular area, or a specific room. Routine announcements may be pre-recorded and played back at the push of a button.

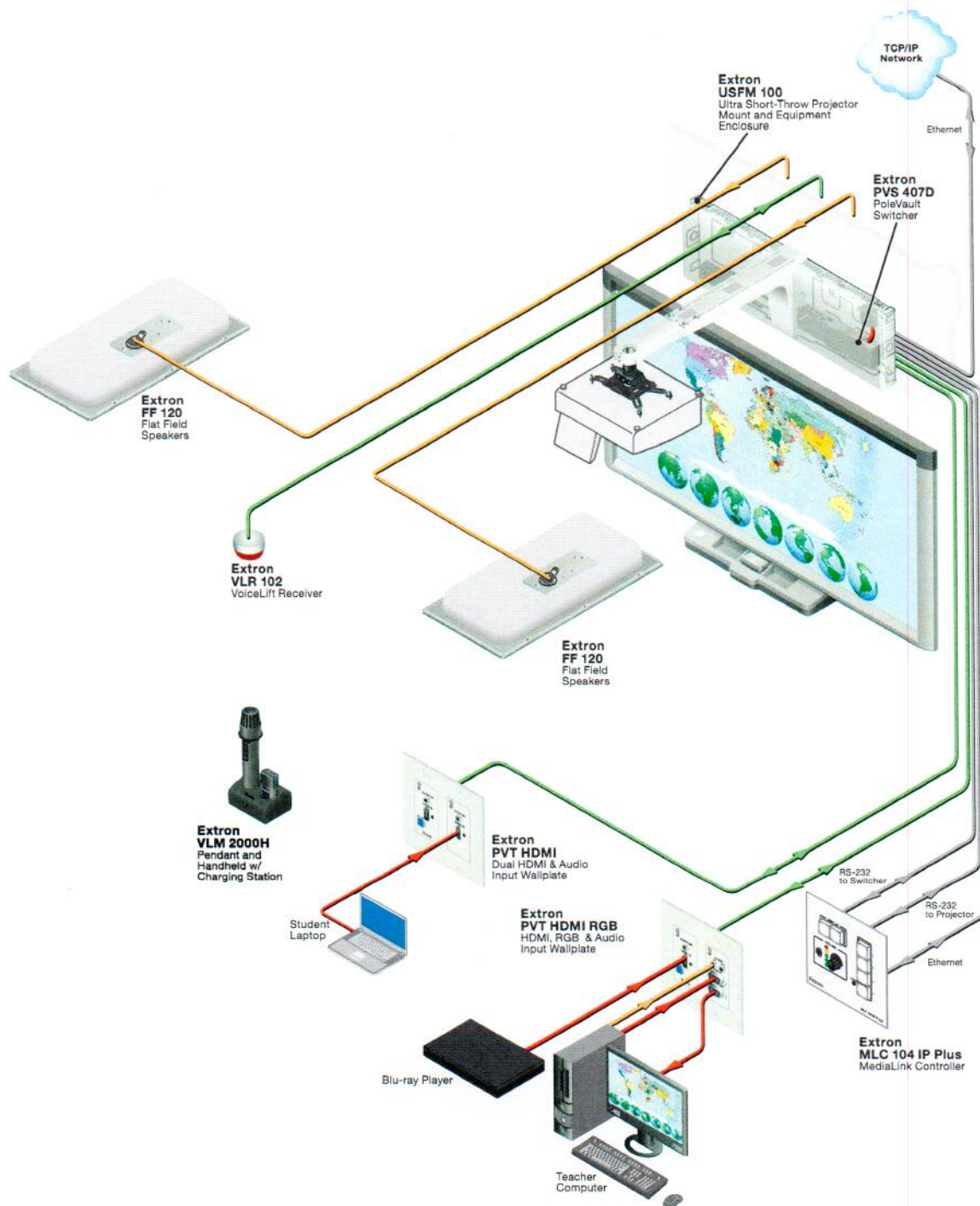
Simplified Control

Managing campus audio systems is easy. GlobalViewer Campus Communication Suite software runs in a standard web browser from any computer on the network. Using the intuitive graphical user interface, office personnel can administer the bell schedule, make announcements, or have two-way communication with classrooms.

Integrated Intercom System

The intercom capability of GlobalViewer Campus Communication Suite provides two-way voice communication over the network. Flexible setup options allow users to be connected with the office or help desk.

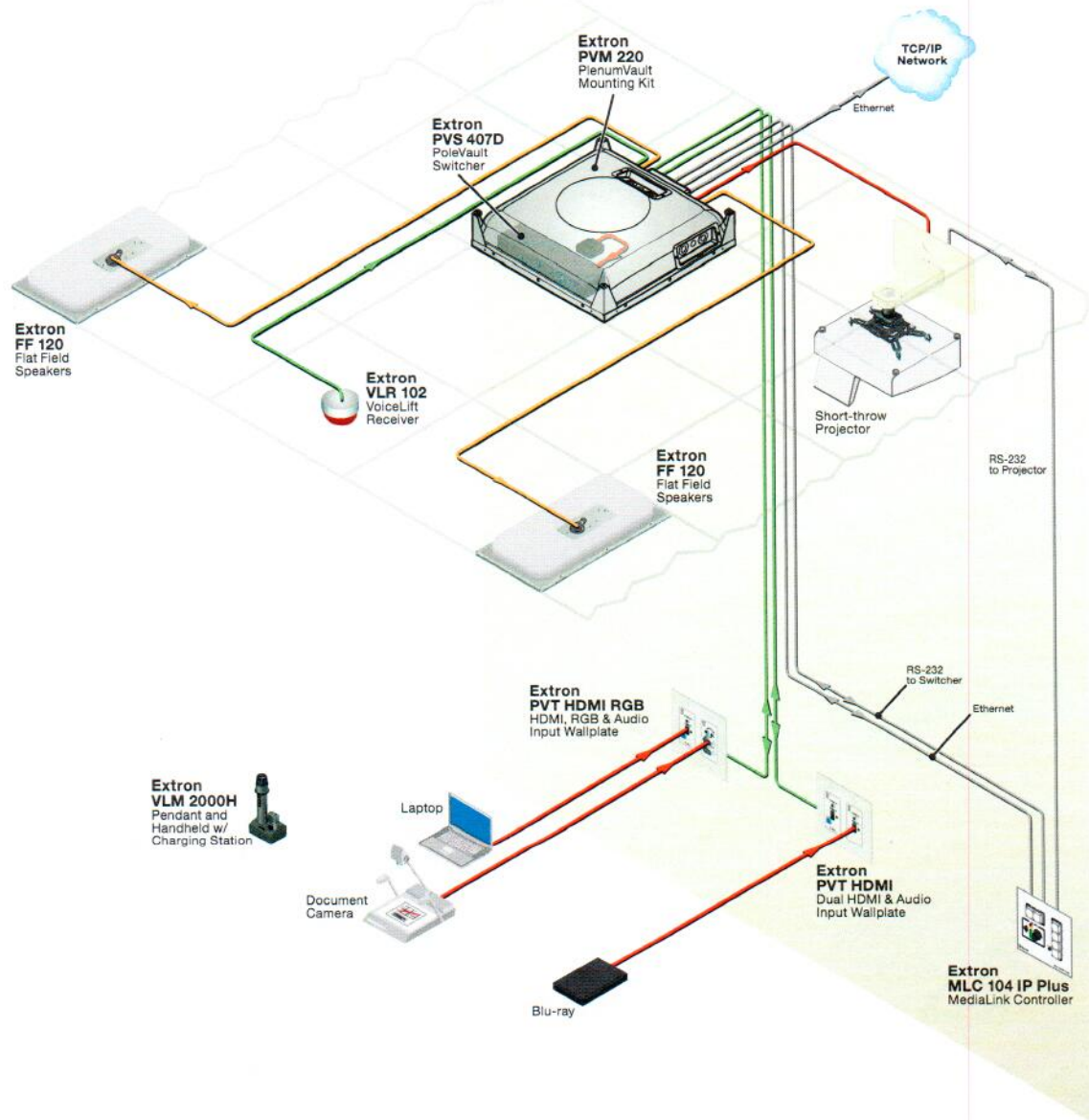
WallVault Digital System



WVS 401D

PoleVault Digital System with WallVault ultra short-throw mount and enclosure

PlenumVault Digital System



PLS 411D
PoleVault Digital System with PlenumVault mounting kit

Extron Grant Program and K-12 Web Site

Extron's aggressive Classroom Technology Grant Programs are just one more example of our commitment to enhancing the K-12 learning environment. The goal of these programs is to provide increased visibility and expanded access for AV technology by supplying selected pilot classrooms with advanced audio video solutions at no cost to the district. To date, Extron has granted more than \$8 million worth of equipment to over 1,280 classrooms in U.S. school districts.

The **Extron ShareLink Grant Program** enables schools to test wireless collaboration capabilities with any Extron PoleVault® classroom AV system.

The **Extron VoiceLift® Microphone Grant Program** allows pilot classrooms to experience the benefits of voice amplification in K-12 learning environments.

The **Extron Classroom AV Grant Program** provides a complete, easy-to-use AV switching, control, and audio amplification system that seamlessly integrates all sources.

The **Extron GlobalViewer® Enterprise Grant Program** provides qualifying school districts with our server-based, AV system monitoring and resource management software.

Each grant award includes installation of Extron classroom system technology, along with complete training.

How to Apply

Applying for the Extron Classroom AV System Grant is easy using the online form available at www.extronclassroom.com/grant. There is no need to commit valuable resources to generating a lengthy grant proposal. Simply provide your contact information and location, as well as details on your classroom environment. Once your information has been submitted, an Extron Grant Administrator will review the application and contact you to discuss your project.

Training and Support Included

When a grant is awarded, an authorized Extron integrator will contact you to review the details of the system and schedule installation and training. From that point forward, you will have all the time you need to evaluate the system and its impact on teachers and students. All equipment, installation, and training are provided free of charge, with no required commitment for future purchases.



K-12 Web Site for Education Users - www.extronclassroom.com

The Extron Classroom Web site is designed exclusively for anyone at K-12 institutions involved in selecting, purchasing, or supporting AV presentation equipment.

Sign up for a Login and gain access to:

- Design guides, white papers, product brochures and a wealth of other AV technology resources
- Education pricing
- Classroom AV System Builder - Powerful online tool for configuring and pricing custom classroom AV systems
- An expanded tradeshow list that includes instructional technology events
- Case studies, quotes, and video testimonials

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www.extron.com



Painted Hills Middle School Creates a Unique Collaborative Learning Environment with Extron Classroom AV Systems

“Using Extron PoleVault Systems, we were able to install a simple-to-use, push button control panel at the teachers’ fingertips.”

William Carr
PSUSD Director of Educational Technology
and Information Systems

The newly constructed Painted Hills Middle School in Desert Hot Springs, California is the first middle school to be built in the Palm Springs Unified School District in 17 years, so the District wanted to ensure that construction, including the school's AV system, was perfectly executed.

PSUSD chose Extron Electronics' PoleVault® and WallVault® classroom AV systems and hired a local AV integrator to perform the installation. William Carr, PSUSD Director of Educational Technology and Information Systems, explains that Extron was chosen because “Extron equipment is durable, simple to use, reliable, and professional.” Carr was familiar with Extron because the company had earlier granted the district a PoleVault system so that administrators and teachers could experience the benefits firsthand. According to Carr, “All were impressed with the quality of the design and installation. There was very little cutting of the walls and little or no modification to the T-Bar ceiling.”

Client Needs

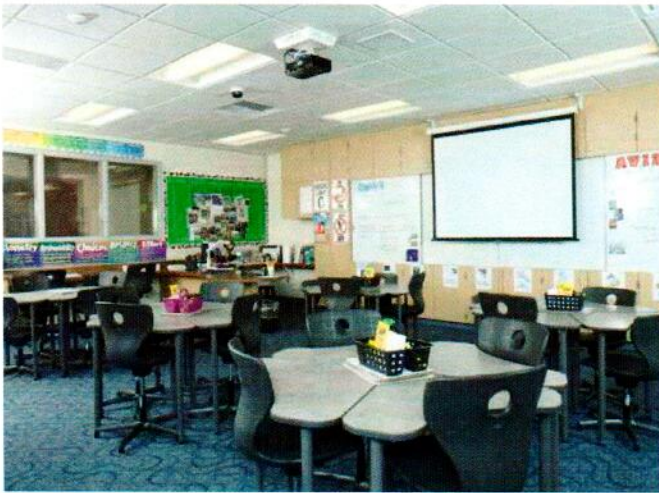
The district wanted to install easy-to-use AV systems in 34 regular classrooms, 9 science classrooms, the band room, choir room, drama room, library, gym, computer lab, and a conference room. “We wanted to create a truly unique learning environment,” Carr explains, “including a collaborative pod seating arrangement, interactive technologies and advanced audiovisual capabilities.”

Carr adds that an engaging environment with clear communication is particularly important at Painted Hills because it is “a high tech school serving a high population of English Learning students.” The PoleVault and WallVault systems facilitate multi-modal teaching methods, allowing teachers to easily



Extron® Electronics
INTERFACING, SWITCHING AND CONTROL

Painted Hills Middle School Creates a Unique Collaborative Learning Environment with Extron Classroom AV Systems



Collaborative Classroom Environment with PoleVault System

operate audio and video equipment within the classroom. The decision to use PoleVault and WallVault reflected PSUSD's desire "to integrate the key modes of learning with technology into each classroom. The visual, audio, and interactive components of the PoleVault and WallVault systems were the key."

PoleVault

The Extron PoleVault AV switching and control system for ceiling mounted projectors was chosen for the general and science classrooms as well as the band, choir, drama, and conference rooms.

PoleVault securely mounts and conceals the switcher and integrated audio amplifier above the projector. Having the projector and AV components mounted to the ceiling discourages theft and tampering.

WallVault

The WallVault system was chosen by PSUSD for the Painted Hills gym, library, and computer lab, for structural reasons. According to Carr, "The WallVault was the perfect solution due to the unique architectural design of those rooms. The WallVault securely houses the Extron equipment and removes the large footprint of having the equipment placed on shelves or in a cabinet."

Both PoleVault and WallVault work with Extron patented Flat Field® speakers, creating consistent sound levels throughout the classroom.

VoiceLift®

Extron's VoiceLift microphone was included with both PoleVault and WallVault systems to help evenly distribute the teacher's voice

throughout the room. Studies show that significant gains in student achievement and teacher effectiveness can be made by simply ensuring that the teacher can be heard. "The VoiceLift system fills the classroom with the teacher's voice," remarks Carr. In addition, teachers are able to spend the day speaking at a natural level, which significantly reduces voice strain and vocal fatigue.

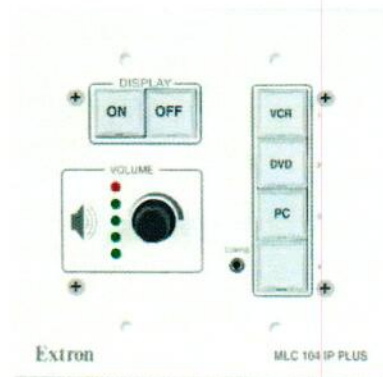
Results

"Using Extron Classroom AV systems, we were able to install a simple-to-use, push button control panel at the teachers' fingertips," expressed Carr. "This centralized panel allows the teacher to turn on the projector, switch between their laptop, document camera and desktop computer, plus adjust audio volume."

By choosing Extron systems for the installation, PSUSD was able to meet all their needs at Painted Hills Middle School. As Carr explains, "There are no bad seats in our classrooms; each student can see the projected image and hear the teacher clearly."

Carr noted that installation of the Extron equipment went smoothly. He added that the systems rank high in value and states "with Extron's education discount pricing, the systems were within the PSUSD budget."

Overall, Carr and the District were pleased with the project. The PoleVault and WallVault systems are "easy to use, high tech, and engaging," Carr says. "The system is interactive, and allows the use of additional AV equipment such as Mobi Interwrite pads, iPads, document cameras and video microscopes. It's fun and exciting. Each classroom can project an impressive 72" image, which is amazing for delivering video and educational content."



Extron MediaLink® control panel.

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North Penn School District Selects Extron for Simplified Classroom AV System Management

“The PoleVault System is one thing that the teachers and support staff can rely on.”

Chris Doerr
Communications Systems Specialist
North Penn School District

The North Penn School District, located 20 miles north of Philadelphia in Montgomery County, is currently home to 14,000 students. The district has plans in place to modernize its 17 schools.

Small Staff and Budget Restrictions

North Penn identified a need to upgrade several of its schools and to simplify the management of classroom technology. With only three individuals dedicated to technology and a restricted budget, the district set out to improve the teacher's experience in the classroom and simplify the management of AV technology. Despite their limited budget, district officials were determined to procure the best quality products for the project. “When you have the right system in place, it makes life easier for everyone,” says Chris Doerr, Communications Systems Specialist at North Penn.

North Penn sought an AV system that would be all encompassing and easy to manage. At the same time, the district required a solution that would be economical and reliable. Past experience had proven that seeking out the least expensive solution might save money in the short term, but the cost of an incomplete or poor performing solution added up tremendously over time.

Finding The Right Solution

In an effort to find the right classroom AV system, North Penn reached out to its most trusted AV suppliers and integrators for recommendations. After some collaboration, the consensus was that Extron provided the most cost effective solution in the industry. Extron Classroom AV Systems, including PoleVault, WallVault, and VoiceLift Microphone, were described as the most reliable



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North Penn School District Selects Extron for Simplified Classroom AV System Management

systems available. In addition, Extron Global Configurator software provided an intuitive, step-by-step process for system setup with no specialized programming skills required. The combination of these factors supported North Penn's goal of finding a solution they could manage themselves.

The district made the decision to install the PoleVault System into several classrooms at its one high school. Taking full advantage of Extron's online resources, Doerr's team was able to build a customized PoleVault kit using the online Classroom AV System Configurator (extronclassroom.com/configurator). As part of Extron's secured Web site, the configurator enables users to create systems that meet their unique requirements and view the latest education pricing, giving them the tools to set realistic budget expectations.

One of the Most Useful Tools in the Classroom

What's even more commendable was the district's decision to install the PoleVault Systems themselves. Traditionally a job contracted to integrators, the project was tackled by Doerr and his team, saving a substantial amount on labor and installation costs. Due to the comprehensive and integrated nature of the Extron Classroom System kits, the classrooms were completed in record time by three North Penn staff members.

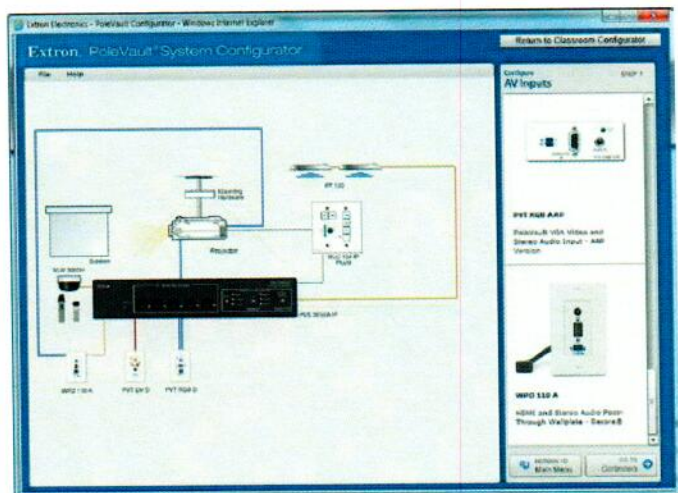
"The PoleVault kits included everything we needed," says Doerr. "There was no waiting for parts or a call back from an integrator." Although the PoleVault kits were purchased from an authorized Extron reseller, North Penn was confident it could use its own staff to install the systems. If anyone had a question during the installation process, North Penn could contact Extron directly on the S3 Support Hotline. In addition to 24/7 on-call support, North Penn staff had access to a complete library of "How To" videos and guides ensure the equipment was installed correctly.

"The installation was easy, and now we know exactly how things are connected and how they should work," says Doerr. "The PoleVault System is one thing that the teachers and support staff can rely on." Teachers have found the PoleVault System to be one of the most useful tools in the classroom, and support staff have the knowledge to be proactive with support and required maintenance..

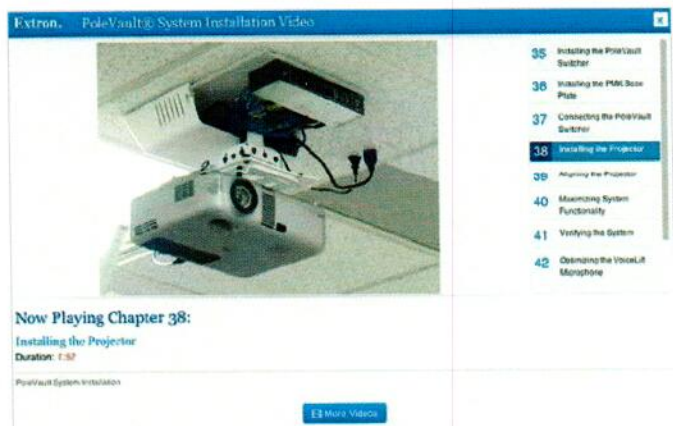
The district expressed satisfaction with every step of the process, from purchasing to installation and usability. If given the chance to consider an alternative solution, Doerr shared that he wouldn't change a thing. "Our experience with Extron has been great and PoleVault is the right solution for any school that needs to be self-sufficient."



PoleVault is a complete classroom AV switching and control system.



The online configurator lets you create custom systems.



Step-by-step videos and guides simplify the installation process.

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VECTOR 4K

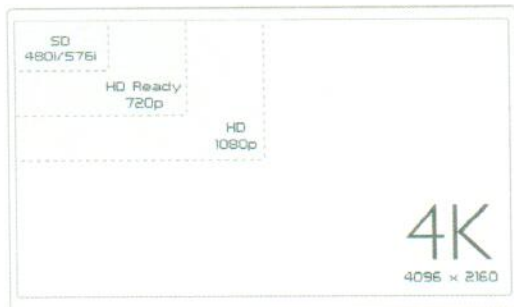
VECTOR 4K S C A L I N G



Patented Scaling Technology for the Most Demanding 4K Applications

Extron Vector 4K Scaling Technology

For over 20 years, Extron has been engineering scaling and signal processing solutions that deliver uncompromised image quality and performance. As a result, we have become an industry leader in scaling technology, designing best-in-class products renowned for their quality, reliability, and ease of use. We have continually refined our technology to keep pace with evolving video formats – from standard definition to high definition signals, and now, 4K.



Engineered by Extron from the Ground Up

Vector 4K was developed internally by Extron's expert team of signal processing engineers. Extron engineers have crafted patented image processing technologies that set the bar for visual performance. Features such as 4:4:4 chroma sampling, 30-bit color depth, and bicubic scaling ensure very high image quality while preserving detail present in the original source material.



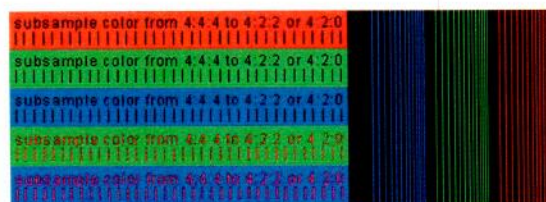
Patented Scaling Technology

By developing our own scaling technology, we can design to our own exacting specifications and have absolute control over the end product. Our many years of signal processing achievements have resulted in 24 worldwide patents for our scaling engines and video processing algorithms. These patented technologies are part of what makes Vector 4K scaling the new benchmark for 4K video processing.

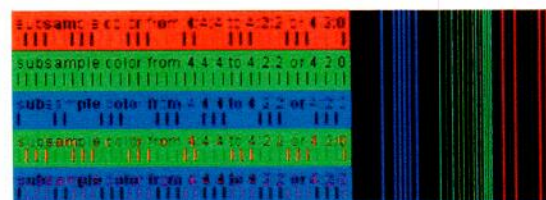


4:4:4 Chroma Sampling

Vector 4K processing is always performed in the RGB domain with full 4:4:4 color sampling, which is critical for processing fine image details. Competing scalars commonly process in the component domain, employing 4:2:2 or 4:2:0 chroma subsampling. This decreases the bandwidth required to process the signal, at the expense of reduced color detail. Chroma subsampling may be acceptable when processing full-motion video content, but with PC-generated content, subsampled color can negatively impact the clarity of the image. Vector 4K 4:4:4 color processing retains the fine color details present in the original source.



4:4:4 Chroma Sampling

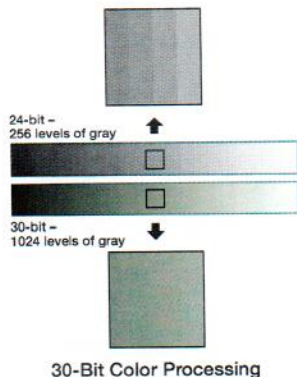


4:2:2 Chroma Subsampling

VECTOR 4K

30-Bit Color Processing

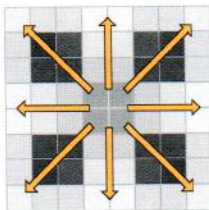
Vector 4K scaling technology processes video at 30 bits per pixel to maximize grayscale and color accuracy. This maintains color fidelity and detail present in native 30-bit source content, while eliminating rounding errors when processing 24-bit sources. It also ensures compatibility with emerging standards such as BT.2020 and HDR which require a minimum of 30-bit processing.



30-Bit Color Processing

Bicubic Interpolation

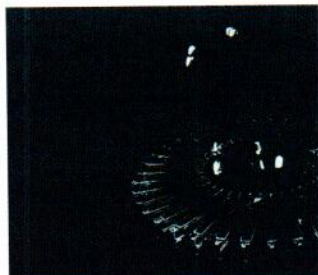
The Vector 4K scaling engine incorporates Extron-patented, multi-tap, bicubic interpolation, which creates a new pixel by averaging adjacent pixels above, below, to the sides, and diagonally of the new pixel. This produces sharp, accurate output, preserving single-pixel detail that other scaling methods lack. Vector 4K algorithms continually and dynamically adapt, ensuring optimal processing for upscaling, downscaling, or 1:1 pass-through applications.



Bicubic Interpolation

Motion-Adaptive Deinterlacing

For the highest quality conversion from interlaced to progressive video, Extron Vector 4K scaling features patented motion-adaptive deinterlacing which integrates two different processing techniques per video frame. Blended odd and even fields are best for static content, while line doubling is optimal for areas of motion between fields. To best apply these two modes, Vector 4K utilizes motion estimation at the single-pixel level for the greatest accuracy in detecting dynamic content. This method allows interlaced motion to be averaged to avoid artifacts, while static areas are blended to perfectly preserve the original detail. Alternative deinterlacing approaches may apply only one method of deinterlacing, and simple motion-adaptive techniques only evaluate motion in regions rather than individual pixels.



Detected Motion



Original Source

Automatic Film Cadence Detection

Vector 4K features 3:2, 2:2, and 24:1 cadence detection which examines interlaced signals and instantaneously identifies, within a fraction of a second, content that originated from 24 Hz source material. Repeated fields, generated during the 3:2, 2:2, or 24:1 pulldown process, are discarded to recreate the original, progressive 24 frame-per-second content, removing any degradation due to the interlaced transmission.



Dynamic Digital Input Detection and Auto-Image

Today's computer video standards allow for signal customization to suit the needs of a particular application or display. Such sources can present a challenge for signal processors that rely solely on fixed lookup tables of common resolutions, which are typically incomplete and quickly become obsolete. Vector 4K goes beyond conventional lookup tables, incorporating dynamic input detection which analyzes incoming digital video signals and accurately measures the signal parameters before processing them for precise conversion and scaling.



Frame Rate Conversion

Vector 4K processing includes high performance frame rate conversion that always delivers images free of visual motion artifacts. In addition to eliminating on-screen video tear, frame rate conversion avoids the need for a display to readjust to changes in source frame rates, which eliminates re-syncing and minimizes latency when switching between sources.

Integration Features

Vector 4K technology also provides features that aid in system integration, such as aspect ratio control, dynamic internal test patterns, auto memory and user presets, advanced HDCP and EDID management, and more.

Learn More

To learn more about Vector 4K scaling, visit www.extron.com/vector4k. See interactive demonstrations of Vector 4K technology, view an informational video highlighting key features, and download the Vector 4K brochure.

The screenshot shows the Extron Electronics website for Vector 4K Scaling. The header includes the Extron logo and navigation links. The main content area features the text 'VECTOR 4K SCALING' and 'Patented Scaling Technology for the Most Demanding 4K Applications'. Below this is a section titled 'Extron Vector 4K Scaling Technology' with a brief description of the technology and a 'Read more' link. The footer includes the website URL www.extron.com/vector4k.

www.extron.com/vector4k



Extron Control Systems Certification Programs Establish Your Knowledge of Extron Pro Series Control Systems

We have launched two new Extron Control Systems Certification programs designed to prepare individuals to successfully deploy and maintain customized AV control systems that are built around our recently-launched IP Link® Pro Series and TouchLink® Pro Series products. The **Extron Control Specialist – ECS** and **Extron Control Professional – ECP** certifications focus on control system customization for a wide range of applications, advanced device communications, troubleshooting, and best practices.

Certification Comparison

Extron Control Specialist - ECS

Audience

This program is ideal for industry professionals who install, configure, operate, manage, and troubleshoot Extron Pro Series control systems. This includes design engineers, AV system installers, and system integration project managers. AV control system design and installation experience is recommended.

Delivery Method

ECS is delivered through instructor-led training. To achieve certification, students must also pass an Extron-proctored exam.

Course Content

ECS is a two-day course consisting of the following general categories:

- Learn Global Configurator Plus software, and use its powerful capabilities to configure and manage Extron Pro Series control systems
- Control system design concepts
- Configure a wide range of room control functions using Global Configurator Plus
- Create custom control interfaces using GUI Designer software, plus GUI design best practices
- Validate Pro Series control systems in multiple AV environments

Extron Control Professional - ECP

Audience

This program is ideal for advanced users or control system programmers who understand the complexities of more sophisticated systems. A background of 2-5 years of AV control system design, programming, and installation experience is recommended.

Delivery Method

ECP is delivered through instructor-led training. To achieve certification, students must also pass an Extron-proctored hands-on exam.

Course Content

ECP is a three-day course consisting of the following general categories:

- Learn Global Configurator Professional software, and how to take advantage of the advanced features for more complex system designs
- Sophisticated control system design concepts and advanced configuration techniques
- Create custom control interfaces using GUI Designer software, plus GUI design best practices
- Validate complex Pro Series control systems in multiple AV environments

Learn More

To find out more about the Extron Control Systems Certification programs, contact your Extron S3 Customer Support Representative.

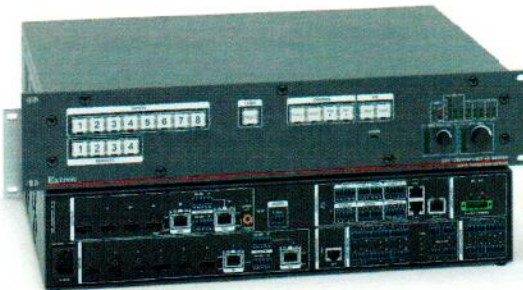
The Ultimate Matrix Switcher



DTP CrossPoint 108 4K - 10x8



DTP CrossPoint 86 4K - 8x6



DTP CrossPoint 84 4K - 8x4



DTP CrossPoint 82 4K - 8x2

DTP CrossPoint 4K Series Seamless 4K Scaling Presentation Switchers

The industry-leading Extron DTP CrossPoint® 4K Series matrix switchers deliver all of the technologically advanced capabilities you need to design and integrate advanced AV systems in one box. This includes a matrix switcher with 4K inputs and outputs, built-in independent scalers powered by Extron Vector™ 4K scaling technology, integrated DTP® and XTP® signal extension, comprehensive audio DSP and AEC capabilities unmatched in the industry, a high performance mono or stereo amplifier, and an advanced control processor that is uniquely expandable.

VECTOR 4K SCALING

All DTP CrossPoint 4K models incorporate Extron Vector 4K, a new generation of scaling engines developed at Extron to deliver critical quality 4K upscaling and downscaling with 4:4:4 color sampling and 30-bit color precision. A dedicated Vector 4K scaling engine drives each of the matrix switcher DTP outputs.

ProDSP

The DTP CrossPoint 4K matrix switchers feature all of the audio processing tools and capabilities of a fully equipped, professional outboard DSP. Four channels of high performance AEC – acoustic echo cancellation, are included to support conferencing applications.

DTP SYSTEMS

Choose from the AV industry's most complete selection of digital twisted pair transmitters and receivers in a variety of form factors.



IP LINK PRO

DTP CrossPoint 4K IPCP models feature a built-in Extron IP Link® Pro 350 control processor to deliver high-speed processing and abundant control port capacity. Select from a full line of Extron TouchLink® Pro touchpanel models, available in screen sizes from 3.5" to 15" in tabletop, wall-mount, and Extron Cable Cubby® form factors to create a complete AV control system.

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DTP SYSTEMS

DTP CrossPoint 4K Series**Seamless 4K Scaling Presentation Matrix Switchers**

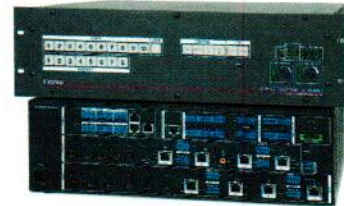
The industry-leading Extron DTP CrossPoint® 4K Series matrix switchers are your new go-to products for 4K presentation systems. These highly versatile presentation matrix switchers deliver all of the technologically advanced capabilities you need to design and integrate advanced AV systems in one box. This includes a matrix switcher with 4K inputs and outputs, built-in independent scalars that are powered by Extron Vector™ 4K scaling technology and support seamless switching, integrated DTP® and XTP® signal extension, comprehensive audio DSP and AEC capabilities unmatched in the industry, a high performance mono or stereo amplifier, and an advanced control processor that is uniquely expandable. The DTP CrossPoint 4K Series sets the new industry standard for fully integrated AV systems, greatly simplifying system design and installation, and dramatically reducing total cost of ownership.

FEATURES

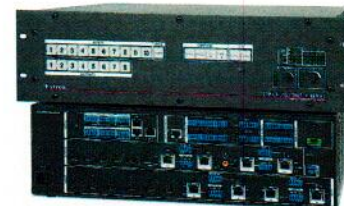
- All-in-one matrix switcher, scaler, audio DSP with AEC, audio power amplifier, and control processor
- Choose from 10x8, 8x6, 8x4, and 8x2 matrix switcher configurations:
- Two DTP outputs feature mirrored HDMI connections to support local monitoring
- 4K matrix switching and scaling with logo keying
- Integrated DTP inputs and outputs support transmission of video, control, and audio up to 330 feet (100 meters) over a shielded CATx cable
- Advanced Extron Vector 4K scaling engine
- Selectable scaled DTP output rates from 640x480 to 4K
- Seamless switching with selectable transition effects
- Compatible with DTP 230 Series and DTP 330 Series, plus XTP CrossPoint matrix switchers
- DTP outputs are compatible with HDBaseT-enabled devices



DTP CrossPoint 108 4K



DTP CrossPoint 108 4K IPCP SA



DTP CrossPoint 108 4K IPCP MA 70

NOW SHIPPING**DTP CrossPoint 108 4K****10x8 Seamless 4K Scaling Presentation Matrix Switcher**

Model	Version Description	Part Number
DTP CrossPoint 108 4K	Preamp Output, w/o Amplifier and Control Processor	60-1381-01
DTP CrossPoint 108 4K IPCP SA	2 x 50 Watt Stereo Power Amplifier	60-1381-12
DTP CrossPoint 108 4K IPCP SA	2 x 50 Watt Stereo Power Amplifier, LinkLicense	60-1381-12A
DTP CrossPoint 108 4K IPCP MA 70	100 Watt 70 V Mono Power Amplifier	60-1381-13
DTP CrossPoint 108 4K IPCP MA 70	100 Watt 70 V Mono Power Amplifier, LinkLicense	60-1381-13A

DTP CrossPoint 86 4K**8x6 Seamless 4K Scaling Presentation Matrix Switcher**

Model	Version Description	Part Number
DTP CrossPoint 86 4K	Preamp Output, w/o Amplifier and Control Processor	60-1382-01
DTP CrossPoint 86 4K IPCP SA	2 x 50 Watt Stereo Power Amplifier	60-1382-12
DTP CrossPoint 86 4K IPCP SA	2 x 50 Watt Stereo Power Amplifier, LinkLicense	60-1382-12A
DTP CrossPoint 86 4K IPCP MA 70	100 Watt 70 V Mono Power Amplifier	60-1382-13
DTP CrossPoint 86 4K IPCP MA 70	100 Watt 70 V Mono Power Amplifier, LinkLicense	60-1382-13A

DTP CrossPoint 84 4K**8x4 Seamless 4K Scaling Presentation Matrix Switcher**

Model	Version Description	Part Number
DTP CrossPoint 84 4K	Preamp Output, w/o Amplifier and Control Processor	60-1515-01
DTP CrossPoint 84 4K IPCP SA	2 x 50 Watt Stereo Power Amplifier	60-1515-12
DTP CrossPoint 84 4K IPCP SA	2 x 50 Watt Stereo Power Amplifier, LinkLicense	60-1515-12A
DTP CrossPoint 84 4K IPCP MA 70	100 Watt 70 V Mono Power Amplifier	60-1515-13
DTP CrossPoint 84 4K IPCP MA 70	100 Watt 70 V Mono Power Amplifier, LinkLicense	60-1515-13A

DTP CrossPoint 82 4K**8x2 Seamless 4K Scaling Presentation Matrix Switcher**

Model	Version Description	Part Number
DTP CrossPoint 82 4K	Preamp Output, w/o Amplifier and Control Processor	60-1583-01
DTP CrossPoint 82 4K IPCP SA	2 x 50 Watt Stereo Power Amplifier	60-1583-12
DTP CrossPoint 82 4K IPCP SA	2 x 50 Watt Stereo Power Amplifier, LinkLicense	60-1583-12A
DTP CrossPoint 82 4K IPCP MA 70	100 Watt 70 V Mono Power Amplifier	60-1583-13
DTP CrossPoint 82 4K IPCP MA 70	100 Watt 70 V Mono Power Amplifier, LinkLicense	60-1583-13A

DTP SYSTEMS

DTP T DSW 4K**Three Input Multi-Format Switchers with Integrated DTP Transmitter and Audio Embedding**

The Extron DTP T DSW 4K 233 and DTP T DSW 4K 333 are three input switchers for sending DisplayPort, HDMI, or analog video, audio, and control over a shielded CATx cable to Extron DTP®-enabled products. The DTP T DSW 4K 233 extends signals up to 230 feet (70 meters), while the DTP T DSW 4K 333 extends signals up to 330 feet (100 meters). Both DTP T DSW 4K models provide DisplayPort, HDMI, and VGA inputs, and one DTP output. The switchers support video resolutions up to 4K, including 2560x1600 and 1080p/60 Deep Color. Analog stereo audio embedding and RS-232 remote control facilitate integration in professional environments. Integrator-friendly features include EDID Minder®, auto-switching between inputs, audio input assignment, as well as bidirectional RS-232 and IR pass-through for remote AV device control.

FEATURES

- Transmits DisplayPort, HDMI, or VGA plus control and analog audio over a shielded CATx cable:
 - Up to 230 feet (70 meters) – DTP T DSW 4K 233
 - Up to 330 feet (100 meters) – DTP T DSW 4K 333
- One DisplayPort, one HDMI, and one VGA input
- Auto-switching between inputs
- Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- Analog stereo audio embedding
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices
- Bidirectional RS-232 and IR pass-through for AV device control
- Supports DisplayPort SST - Single Stream Transport data rates up to 10.8 Gbps
- Compatible with all DTP Series receivers and DTP-enabled products



DTP T DSW 4K 233

DTP
SYSTEMS**4K UHD****NOW SHIPPING**

Model	Version Description	Part Number
DTP T DSW 4K 233	DisplayPort, HDMI, VGA Switcher - 230 feet (70 m) ..	60-1487-12
DTP T DSW 4K 333	DisplayPort, HDMI, VGA Switcher - 330 feet (100 m) .	60-1487-52

DTP T HD2 4K**DTP Transmitters for HDMI with Input Loop-Through**

The Extron DTP T HD2 4K 230 and DTP T HD2 4K 330 are transmitters for sending HDMI with embedded audio, bidirectional RS-232 and IR signals over a shielded CATx cable to Extron DTP®-enabled products. The DTP T HD2 4K 230 extends signals up to 230 feet (70 meters), while the DTP T HD2 4K 330 extends signals up to 330 feet (100 meters). Both DTP T HD2 4K models provide one HDMI input with loop-through to support local monitoring of digital video, and one DTP output. The transmitters support video resolutions up to 4K, including 1080p/60 Deep Color. They offer many integrator-friendly features such as EDID Minder®, Key Minder®, bidirectional RS-232 and IR pass-through for remote AV device control, remote power capability, and compatibility with HDBaseT-enabled devices.

FEATURES

- Transmits HDMI plus control over a shielded CATx cable:
 - Up to 230 feet (70 meters) – DTP T HD2 4K 230
 - Up to 330 feet (100 meters) – DTP T HD2 4K 330
- Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- Buffered HDMI input loop-through
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- Key Minder® continuously verifies HDCP compliance
- EDID Minder® automatically manages EDID communication between connected devices
- Compatible with all DTP Series receivers and DTP-enabled products



DTP T HD2 4K 230

DTP
SYSTEMS**4K UHD****NOW SHIPPING**

Model	Version Description	Part Number
DTP T HD2 4K 230	HDMI Tx - 230 feet (70 m)	60-1491-12
DTP T HD2 4K 330	HDMI Tx - 330 feet (100 m)	60-1491-52

For updated product availability, go to www.extron.com

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Extron

DTP SYSTEMS

IN1608 HDBT

Eight Input Scaling Presentation Switcher with Signal Extension

The Extron IN1608 HDBT adds a new model to the IN1608 Series, with an output that is dedicated to HDBaseT operation. This HDBaseT certified product streamlines integration with HDBaseT-enabled displays. The IN1608 HDBT is an HDCP-compliant scaling presentation switcher with four HDMI inputs, two universal analog video inputs, and two Extron DTP® inputs. It includes dual HDMI outputs, one HDBaseT-compatible output, an integrated Class D audio power amplifier, and a built-in IPCP Pro 350 control processor for complete AV system control. The twisted pair output can be used to send digital video and embedded audio, plus bidirectional RS-232 and IR signals up to 330 feet (100 meters) over a shielded CATx cable. The IN1608 HDBT provides the convenience of supporting local and remote sources and displays, with fast and reliable source switching, and a high performance scaling engine for HDMI and analog sources. The IN1608 HDBT also includes a host of audio switching and processing features.

FEATURES

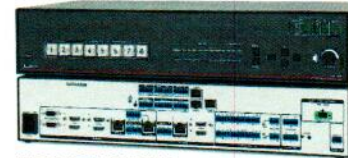
- Integrates HDMI, analog video, and audio sources into presentation systems
- Two DTP inputs, four HDMI inputs, and two universal analog video inputs
- Three simultaneous video outputs, including one HDBaseT twisted pair output and two HDMI outputs
- Integrated DTP inputs support transmission of video, control, and analog audio up to 330 feet (100 meters) over a shielded CATx cable
- Available with integrated IPCP Pro 350 control processor
- Available with energy efficient Class D stereo or mono amplifier:
2 x 50 watts @ 4 ohms; 2 x 25 watts @ 8 ohms
1 x 100 watts @ 70 volts
- Selectable output rates from 640x480 to 1920x1200, including 1080p/60 and 2K
- Advanced scaling engine with 30-bit precision processing and motion-adaptive deinterlacing for signals up to 1080i



IN1608 HDBT



IN1608 HDBT IPCP SA



IN1608 HDBT IPCP MA 70

DTP
SYSTEMS

IP LINK PRO

LinkLicense

HDBT
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Model	Version Description	Part Number
IN1608 HDBT	Standard Model, HDBaseT Out	60-1238-71
IN1608 SA HDBT	2 x 50 Watt Stereo Amp, HDBaseT Out	60-1238-72
IN1608 MA 70 HDBT	100 Watt 70 V Mono Amp, HDBaseT Out	60-1238-73
IN1608 IPCP SA HDBT	Control Processor, Stereo Amp, HDBaseT Out	60-1238-75
IN1608 IPCP SA HDBT	Control Proc, Stereo Amp, HDBaseT Out, LinkLicense	60-1238-75A
IN1608 IPCP MA 70 HDBT	Control Proc, 70 V Mono Amp, HDBaseT Out	60-1238-76
IN1608 IPCP MA 70 HDBT	Control Proc, 70 V Amp, HDBaseT Out, LinkLicense	60-1238-76A

DTP R HWP 4K D

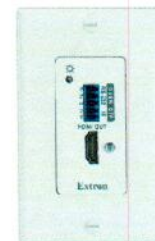
DTP Receivers for HDMI - Decora Wallplate

The Extron DTP R HWP 4K 231 D and DTP R HWP 4K 331 D are single-gang Decora®-style receivers that work with Extron DTP®-enabled products to send HDMI, audio, and bidirectional RS-232 and IR signals over a shielded CATx cable. The DTP R HWP 4K 231 D extends signals up to 230 feet (70 meters), while the DTP R HWP 4K 331 D extends signals up to 330 feet (100 meters). The one-gang form factor provides maximum space efficiency in wall mount, floor box, and furniture mount applications. They support video resolutions up to 4K, including 1080p/60 Deep Color. Both models also accept analog stereo audio signals from a DTP-enabled product over the same shielded twisted pair cable. The wall-mountable design and remote power capability of the receivers provide the convenience of placing output connections precisely where they are needed.

FEATURES

- Receives HDMI plus control and analog audio over a shielded CATx cable:
Up to 230 feet (70 meters) – DTP R HWP 4K 231 D
Up to 330 feet (100 meters) – DTP R HWP 4K 331 D
- Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- HDCP 2.2 compliant
- Supported HDMI specification features include data rates up to 10.2 Gbps, Deep Color up to 12-bit, 3D, HD lossless audio formats, and CEC pass-through
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- Mounts in an included single-gang Decora®-style wallplate

Model	Version Description	Part Number
DTP R HWP 4K 231 D	HDMI Decora Rx, Black - 230 feet (70 m)	60-1531-12
DTP R HWP 4K 231 D	HDMI Decora Rx, White - 230 feet (70 m)	60-1531-13
DTP R HWP 4K 331 D	HDMI Decora Rx, Black - 330 feet (100 m)	60-1531-52
DTP R HWP 4K 331 D	HDMI Decora Rx, White - 330 feet (100 m)	60-1531-53



DTP R HWP 4K 231 D

DTP
SYSTEMS

4K UHD

DTP SYSTEMS

DTP T DWP 4K D

Two Input DTP Transmitters for DisplayPort and HDMI with Audio Embedding - Decora Wallplate

The Extron DTP T DWP 4K 232 D and DTP T DWP 4K 332 D are two input Decora®-style transmitters for sending DisplayPort or HDMI, audio, and control over a shielded CATx cable to Extron DTP®-enabled products. The DTP T DWP 4K 232 D extends signals up to 230 feet (70 meters), while the DTP T DWP 4K 332 D extends signals up to 330 feet (100 meters). Both models provide one DisplayPort input and one HDMI input, with independent analog stereo audio connections. They support video resolutions up to 4K, including 2560x1600 and 1080p/60 Deep Color. Analog stereo audio embedding and RS-232 remote control facilitate integration in demanding professional environments. Integrator-friendly features include EDID Minder®, auto-switching between inputs, remote power capability, and bidirectional RS-232 and IR pass-through for remote AV device control.

FEATURES

- Transmits DisplayPort or HDMI plus control and analog audio over a shielded CATx cable:
Up to 230 feet (70 meters) – DTP T DWP 4K 232 D
Up to 330 feet (100 meters) – DTP T DWP 4K 332 D
- One DisplayPort input and one HDMI input
- Auto-switching between inputs
- Supports computer and video resolutions up to 4K
- Analog stereo audio embedding
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- Supports DisplayPort SST - Single Stream Transport data rates up to 10.8 Gbps
- EDID Minder
- Compatible with all DTP Series receivers and DTP-enabled products

Model	Version Description	Part Number
DTP T DWP 4K 232 D	DP, HDMI Decora Tx, Black - 230 feet (70 m)	60-1498-12
DTP T DWP 4K 232 D	DP, HDMI Decora Tx, White - 230 feet (70 m)	60-1498-13
DTP T DWP 4K 332 D	DP, HDMI Decora Tx, Black - 330 feet (100 m)	60-1498-52
DTP T DWP 4K 332 D	DP, HDMI Decora Tx, White - 330 feet (100 m)	60-1498-53

DTP T 3G-SDI D

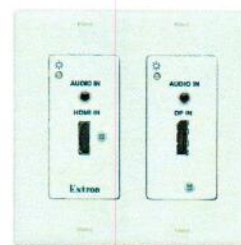
DTP Transmitters for 3G-SDI - Decora Wallplate

The Extron DTP T 3G-SDI 230 D and DTP T 3G-SDI 330 D are single-gang Decora®-style transmitters for sending 3G-SDI, HD-SDI, or SDI plus control and bidirectional RS-232 and IR signals over a shielded CATx cable to Extron DTP®-enabled products. The DTP T 3G-SDI 230 D extends signals up to 230 feet (70 meters), while the DTP T 3G-SDI 330 D extends signals up to 330 feet (100 meters). The transmitters provide seamless integration of broadcast-type video signals into DTP Systems, supporting video rates up to 2.97 Gbps. They accept analog stereo audio signals for simultaneous transmission over the same shielded twisted pair cable. The transmitters also offer many integrator-friendly features such as an input loop-through, remote power capability, and bidirectional RS-232 and IR pass-through for remote AV device control.

FEATURES

- Transmits 3G-SDI, HD-SDI, or SDI plus control and analog audio over a shielded CATx cable:
Up to 230 feet (70 meters) – DTP T 3G-SDI 230 D
Up to 330 feet (100 meters) – DTP T 3G-SDI 330 D
- Accepts 3G-SDI/HD-SDI/SDI signals up to 2.97 Gbps
- Buffered 3G-SDI/HD-SDI/SDI input loop-through
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- Compatible with all DTP Series receivers and DTP-enabled products
- Mounts in an included single-gang Decora®-style wallplate

Model	Version Description	Part Number
DTP T 3G-SDI 230 D	3G-SDI Decora Tx, Black - 230 feet (70 m)	60-1479-12
DTP T 3G-SDI 230 D	3G-SDI Decora Tx, White - 230 feet (70 m)	60-1479-13
DTP T 3G-SDI 330 D	3G-SDI Decora Tx, Black - 330 feet (100 m)	60-1479-52
DTP T 3G-SDI 330 D	3G-SDI Decora Tx, White - 330 feet (100 m)	60-1479-53



DTP T DWP 4K 232 D

DTP
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4K UHD

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DTP T 3G-SDI 230 D

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Extron

DTP TRANSMITTERS WITH AUDIO EMBEDDING

DTP T USW**Three Input Switcher with Integrated DTP Transmitter and Audio Embedding**

The Extron DTP T USW 233 and DTP T USW 333 are three input switchers for sending HDMI or analog video, audio, and control up to 230 feet (70 meters) or 330 feet (100 meters) over a shielded CATx cable to Extron DTP® enabled products. They are HDCP compliant and provide two HDMI inputs, one VGA input, and one DTP twisted pair output. The DTP T USW switchers support video signals at resolutions up to 1920x1200, including 1080p/60 and 2K. They digitize incoming analog video for reliable display on a variety of output devices. The switchers also offer many integrator friendly features such as analog stereo audio embedding, EDID Minder®, auto switching between inputs, audio input assignment, remote power capability, and compatibility with HDBaseT-enabled devices

FEATURES

- Transmits video, control, and analog audio over a shielded CATx cable:
Up to 230 feet (70 meters) - DTP T USW 233
Up to 330 feet (100 meters) - DTP T USW 333
- Two HDMI inputs and one VGA input
- Auto-switching between inputs
- Supports computer and video resolution up to 1920x1200, including 1080p/60 and 2K
- Analog stereo audio embedding
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices
- Bidirectional RS-232 and unidirectional IR pass-through for AV device control
- Remote power capability
- HDCP compliant
- EDID Minder
- Compatible with all DTP 230 and 330 Series receivers, and DTP-enabled products



DTP T USW 233



Model	Version Description	Part Number
DTP T USW 233	2 HDMI, VGA Switcher w/Audio - 230 feet (70 m)	60-1551-12
DTP T USW 333	2 HDMI, VGA Switcher w/Audio - 330 feet (100 m)	60-1551-52

DTP T FB**Two Input DTP Transmitters with Audio Embedding for Floor Boxes**

The Extron DTP T FB 232 and DTP T FB 332 are two input transmitters that are compatible with a range of floor boxes, including those from OBO Bettermann, MK by Honeywell, Electraplan, and PUK. The DTP T FB 232 sends HDMI or VGA, audio, and control up to 230 feet (70 meters) over a shielded CATx cable, and the DTP T FB 332 sends signals up to 330 feet (100 meters). Both models support video resolutions up to 1920x1200, including 1080p/60 and 2K. They feature analog stereo audio embedding, automatic switching between inputs, and RS-232 remote control for easy operation in unmanaged locations. The transmitters also support bidirectional RS-232 and IR pass-through for AV device control at remote locations. Designed for DTP® Systems, the DTP T FB models can be remotely powered by Extron DTP-enabled products.

FEATURES

- Designed to mount in a variety of floor box offerings from OBO Bettermann - GB2 and GB3 slots, MK by Honeywell, Electraplan, and PUK
- Transmits HDMI or analog video, control, and analog audio over a shielded CATx cable:
Up to 230 feet (70 meters) - DTP T FB 232
Up to 330 feet (100 meters) - DTP T FB 332
- One HDMI input and one VGA input
- Auto-switching between inputs
- Supports computer and video resolutions up to 1920x1200, including 1080p/60 and 2K
- Analog stereo audio embedding
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices
- Bidirectional RS-232 and IR pass-through for AV device control
- Remote power capability
- EDID Minder
- Compatible with all DTP Series receivers and DTP-enabled products



DTP T FB 232

**NOW SHIPPING**

Model	Version Description	Part Number
DTP T FB 232	Two Input Floor Box Tx w/ Audio - 230 feet (70 m)	60-1568-12
DTP T FB 332	Two Input Floor Box Tx w/ Audio - 330 feet (100 m)	60-1568-52

DTP TRANSMITTERS WITH AUDIO EMBEDDING

DTP T EU and DTP T MK Series

Two Input DTP Transmitters with Audio Embedding for EU-Type and MK-Type Junction Boxes

The Extron DTP T EU and DTP T MK are two input transmitters designed to fit in standard two-gang EU-type and MK-type electrical junction boxes. The DTP T EU 232 and DTP T MK 232 send HDMI or analog video, audio, and control up to 230 feet (70 meters) over a shielded CATx cable, while the DTP T EU 332 and DTP T MK 332 versions send these signals up to 330 feet (100 meters). The DTP® transmitters are HDCP compliant and include independent analog stereo audio connections. They support video signals at resolutions up to 1920x1200, including 1080p/60 and 2K. The transmitters also feature analog stereo audio embedding, EDID Minder®, auto-switching between inputs and RS-232 remote control for simplified input selection, remote power capability, and bidirectional RS-232 and IR pass-through for remote AV device control.

FEATURES

- Designed to mount in two-gang EU-type and MK-type junction boxes
- Transmits video, control, and analog audio over a shielded CATx cable:
 - Up to 230 feet (70 meters) - DTP T EU 232 and DTP T MK 232
 - Up to 330 feet (100 meters) - DTP T EU 332 and DTP T MK 332
- Auto-switching between inputs
- Supports computer and video resolution up to 1920x1200, including 1080p/60 and 2K
- Analog stereo audio embedding
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices
- Remote power capability
- EDID Minder
- Compatible with all DTP 230 and 330 Series receivers, and DTP-enabled products

Model	Version Description	Part Number
DTP T EU 232	Two Input EU Tx w/ Audio - 230 feet (70 m)	60-1569-12
DTP T EU 332	Two Input EU Tx w/ Audio - 330 feet (100 m)	60-1569-52
DTP T MK 232	Two Input MK Tx w/ Audio - 230 feet (70 m)	60-1567-12
DTP T MK 332	Two Input MK Tx w/ Audio - 330 feet (100 m)	60-1567-52

DTP T UWP D

Two Input DTP Transmitters for HDMI and VGA with Audio Embedding – Decora Wallplates

The Extron DTP T UWP 232 D and DTP T UWP 332 D are two input Decora®-style transmitters that send HDMI or analog video, audio, and control up to 230 feet (70 meters) or 330 feet (100 meters) over a shielded CATx cable to Extron DTP®-enabled products. They are HDCP compliant and include independent analog stereo audio connections. They also offer many integrator-friendly features such as analog stereo audio embedding, EDID Minder®, auto-switching between inputs, remote power capability, and bidirectional RS-232 and unidirectional IR pass-through for remote AV device control. The wall-mountable design provides the convenience of placing input connections precisely where they are needed.

FEATURES

- Transmits video, control, and analog audio over a shielded CATx cable:
 - Up to 230 feet (70 meters) - DTP T UWP 232 D
 - Up to 330 feet (100 meters) - DTP T UWP 332 D
- Auto-switching between inputs
- Supports computer and video resolution up to 1920x1200, including 1080p/60 and 2K
- Analog stereo audio embedding
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices
- Bidirectional RS-232 and unidirectional IR pass-through for AV device control
- Remote power capability
- HDCP compliant
- EDID Minder
- Compatible with all DTP 230 and 330 Series receivers, and DTP-enabled products

Model	Version Description	Part Number
DTP T UWP 232 D	HDMI, VGA Decora Tx, Black - 230 feet (70 m)	60-1366-12
DTP T UWP 232 D	HDMI, VGA Decora Tx, White - 230 feet (70 m)	60-1366-13
DTP T UWP 332 D	HDMI, VGA Decora Tx, Black - 330 feet (100 m)	60-1366-52
DTP T UWP 332 D	HDMI, VGA Decora Tx, White - 330 feet (100 m)	60-1366-53

For updated product availability, go to www.extron.com

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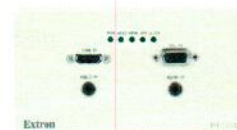
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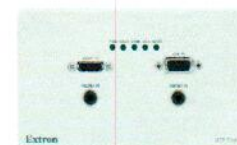
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DTP T EU 232

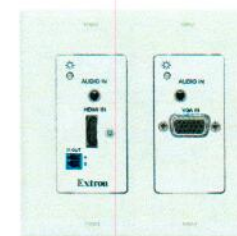


DTP T MK 232

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DTP T UWP 232 D

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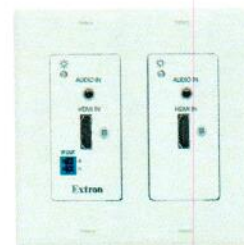
DTP TRANSMITTERS WITH AUDIO EMBEDDING

DTP T HWP D**Two Input DTP Transmitters for HDMI with Audio Embedding – Decora Wallplates**

The Extron DTP T HWP 232 D and DTP T HWP 332 D are two input Decora®-style transmitters that send HDMI, audio, and control up to 230 feet (70 meters) or 330 feet (100 meters) over a shielded CATx cable to Extron DTP®-enabled products. They are HDCP compliant and include independent analog stereo audio connections. They also offer many integrator-friendly features such as analog stereo audio embedding, EDID Minder®, auto-switching between inputs, remote power capability, and bidirectional RS-232 and unidirectional IR pass-through for remote AV device control. The wall-mountable design provides the convenience of placing input connections precisely where they are needed.

FEATURES

- Transmits video, control, and analog audio over a shielded CATx cable:
Up to 230 feet (70 meters) - DTP T HWP 232 D
Up to 330 feet (100 meters) - DTP T HWP 332 D
- Two HDMI inputs
- Auto-switching between inputs
- Supports computer and video resolution up to 1920x1200, including 1080p/60 and 2K
- Analog stereo audio embedding
- Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance
- DTP output is compatible with HDBaseT-enabled devices
- Bidirectional RS-232 and unidirectional IR pass-through for AV device control
- Remote power capability
- HDCP compliant
- EDID Minder
- Compatible with all DTP 230 and 330 Series receivers, and DTP-enabled products



DTP T HWP 232 D

DTP
SYSTEMS

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Model	Version Description	Part Number
DTP T HWP 232 D	2 HDMI Decora Tx, Black - 230 feet (70 m)	60-1365-12
DTP T HWP 232 D	2 HDMI Decora Tx, White - 230 feet (70 m)	60-1365-13
DTP T HWP 332 D	2 HDMI Decora Tx, Black - 330 feet (100 m)	60-1365-52
DTP T HWP 332 D	2 HDMI Decora Tx, White - 330 feet (100 m)	60-1365-53

The World's First 50 Gbps Digital Backplane AV Infrastructure for 4K and Beyond



XTP II

XTP II CrossPoint System - The New Performance Standard for AV Switching and Distribution

The Extron XTP II CrossPoint modular matrix switchers are the first in the AV industry to offer a 50 Gbps digital switching backplane. Representing a monumental leap in engineering and product design, XTP II lets you design an AV system infrastructure with switching bandwidth that exceeds the data rate required to distribute 4K/60 video with 4:4:4 chroma sampling at 16 bits per color. The XTP II CrossPoint is the only AV technology platform that supports uncompromised 4K video while providing additional bandwidth to accommodate anticipated future video resolutions and formats. These matrix switchers can be configured with a variety of boards including the new XTP II HDMI input and output boards that support HDMI 2.0 and HDCP 2.2, a new family of XTP 4K fiber optic boards and endpoints, or any of the existing XTP Systems family products. XTP II CrossPoint is the definitive AV industry standard you can depend on now and in the future to meet the challenges of 4K and beyond.

50 Gbps Ultra Performance Backplane

XTP II CrossPoint matrix switchers are engineered to exceed the bandwidth required by HDMI 2.0 and DisplayPort 1.3 signals. The 50 Gbps digital switching backplane provides more than enough bandwidth to switch 4K/60 at 4:4:4 with 16 bits per color and anticipates future video standards. Three modular frames are available for 16x16, 32x32, and 64x64 I/O configurations.



HDMI 2.0 Boards with HDCP 2.2

The new XTP II HDMI input and output boards offer the highest level of HDMI 2.0 performance, with a full 18 Gbps data rate throughput at each port. These boards are also HDCP 2.2 compliant.

4K Switching and Transmission over Fiber

We are excited to announce a range of new XTP 4K fiber optic I/O boards, transmitters and receivers, available in multimode and singlemode versions. The fiber optic scaling receiver features Extron Vector™ 4K signal processing technology.

Complete Integration Platform for Digital AV

XTP II CrossPoint frames as well as the new boards, transmitters and receivers are compatible with all products in the XTP Systems family, enabling complete end-to-end system solutions, and a wide range of possibilities for future system upgrades to support video standards beyond 4K.

For updated product availability, go to www.extron.com

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XTP SYSTEMS

XTP II CrossPoint Series**Modular Digital Matrix Switchers with SpeedSwitch Technology**

The Extron XTP II CrossPoint modular matrix switchers are the first in the AV industry with an unprecedented 50 Gbps digital switching backplane. The exceptional performance exceeds the data rate required for 4K/60 video with 4:4:4 chroma sampling at 16 bits per color. The XTP II CrossPoint is the only AV technology platform that allows you to design systems with no compromise in 4K capability, and provide ample bandwidth to accommodate future video resolutions and formats. These matrix switchers can be configured with XTP II HDMI I/O boards that support HDMI 2.0 and HDCP 2.2, the new family of XTP 4K fiber optic I/O boards and endpoints, plus all other XTP Systems family products.

COMMON FEATURES

- Ultra performance 50 Gbps data-rate digital backplane
- Modular, field-upgradeable and hot-swappable design
- Compatible with all XTP input and output boards
- RS-232 insertion from the Ethernet control port
- Remote powering of XTP twisted pair transmitters and receivers
- SpeedSwitch® Technology provides exceptional switching speed for HDCP-encrypted content
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Audio breakaway
- Ethernet extension
- Ethernet monitoring and control

XTP II**4K UHD****50 Gbps****ULTRA PERFORMANCE
BACKPLANE****NOW SHIPPING****XTP II CrossPoint 1600****Modular Digital Matrix Switchers from 4x4 to 16x16****UNIQUE FEATURES**

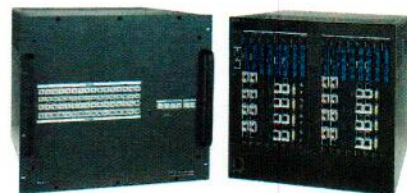
- Available in I/O sizes from 4x4 to 16x16
- Optional redundant power supply
- Rack-mountable 5U, full rack width metal enclosure

Model	Version Description	Part Number
XTP II CrossPoint 1600 Frame	5U, 8-slot Frame	Call
XTP II CrossPoint 1600 Frame w/ RPS	5U, 8-slot Frame w/ redundant power	Call

XTP II CrossPoint 3200**Modular Digital Matrix Switchers from 4x4 to 32x32****UNIQUE FEATURES**

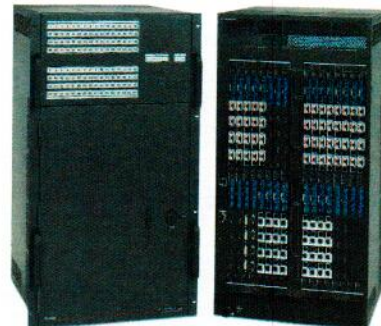
- Available in I/O sizes from 4x4 to 32x32
- Redundant power supply
- Rack-mountable 10U, full rack width metal enclosure

Model	Version Description	Part Number
XTP II CrossPoint 3200 Frame	10U, 16-slot Frame	Call

**XTP II CrossPoint 6400****Modular Digital Matrix Switchers from 4x4 to 64x64****UNIQUE FEATURES**

- Available in I/O sizes from 4x4 to 64x64
- Redundant power supply
- Rack-mountable 20U, full rack width metal enclosure

Model	Version Description	Part Number
XTP II CrossPoint 6400 Frame	20U, 32-slot Frame	Call



XTP SYSTEMS

XTP II CP HD 4K PLUS I/O Boards**HDMI 4K/60 Input and Output Boards with Analog Stereo Audio**

The Extron XTP II CP HD 4K PLUS Input and Output Boards provide local connectivity for HDMI and separate analog stereo audio for XTP II CrossPoint® matrix switchers as well as the XTP CrossPoint models. The boards comply with HDCP 2.2, and support computer and video resolutions up to 4K/60 at 4:4:4 color sampling. Embedded digital audio signals can also be routed independently. The XTP II CP HD 4K PLUS I/O matrix boards are ideal for XTP Systems® that require flexible local routing of HDMI and analog audio signals.

FEATURES

- Supports computer and video resolutions up to 4K/60 at 4:4:4 color sampling, including 1080p/60 Deep Color
- Supported HDMI 2.0 specification features include data rates up to 18 Gbps, Deep Color up to 12-bit, 3D, and HD lossless audio formats
- HDCP 2.2 compliant
- Compatible with all XTP II CrossPoint and XTP CrossPoint matrix switchers



XTP II CP 4i HD 4K PLUS



XTP II CP 4o HD 4K PLUS

XTP II**4K UHD**

Model	Version Description	Part Number
XTP II CP 4i HD 4K PLUS	Four Input Board, HDMI 4K/60 w/ Stereo Audio	70-1112-01
XTP II CP 4o HD 4K PLUS	Four Output Board, HDMI 4K/60 w/ Stereo Audio	70-1113-01

XTP CP Fiber 4K I/O Boards**Fiber Optic Input and Output Boards with RS-232 and IR Insertion**

The Extron XTP CP Fiber 4K Input and Output Boards enable long-haul extension of 4K video with embedded audio, bidirectional RS-232 and IR control, as well as Ethernet over one fiber optic cable. These XTP® I/O boards are HDCP-compliant, and support computer and video resolutions up to 4K, including 1080p/60 with Deep Color. Also, Ethernet extension and bidirectional RS-232 and IR insertion provide LAN access and remote AV device control. Mounted in an XTP II CrossPoint® or XTP CrossPoint matrix switcher, the XTP CP Fiber 4K I/O matrix boards allow signal extension over extreme distances within XTP Systems®.

FEATURES

- Extends video, audio, bidirectional RS-232 and IR, and Ethernet over one fiber optic cable
- Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- HDCP compliant
- Compatible with all XTP II CrossPoint and XTP CrossPoint matrix switchers
- Available as multimode models for moderate-range transmissions up to 700 meters (2,297 feet) and singlemode models for extreme distances up to 10 km (6.21 miles)



XTP CP 4i Fiber 4K MM



XTP CP 4o Fiber 4K MM

4K UHD**NOW SHIPPING**

Model	Version Description	Part Number
XTP CP 4i Fiber 4K MM	Four Input Board, Fiber 4K - Multimode	70-985-01
XTP CP 4i Fiber 4K SM	Four Input Board, Fiber 4K - Singlemode	70-985-02
XTP CP 4o Fiber 4K MM	Four Output Board, Fiber 4K - Multimode	70-986-01
XTP CP 4o Fiber 4K SM	Four Output Board, Fiber 4K - Singlemode	70-986-02

XTP CP 4i 3G-SDI**3G-SDI Input Board with Analog Stereo Audio**

The Extron XTP CP 4i 3G-SDI board provides four inputs for connection of 3G-SDI signals into any XTP II or XTP CrossPoint® matrix switcher. Each input features automatic equalization to optimize signal quality over long cable runs, plus buffered loop-throughs with reclocking to support local monitors or additional distribution needs. Also, four analog stereo audio inputs offer embedding capability and two channel AES audio extraction allows flexible audio management and breakaway audio switching. The XTP CP 4i 3G-SDI supports signal rates up to 2.97 Gbps, and is ideal for connection of remote PTZ cameras and other broadcast video sources in professional applications, such as videoconference environments and live events.

FEATURES

- Accepts 3G-SDI/HD-SDI/SDI signals up to 2.97 Gbps
- Automatically adapts to SMPTE and ITU digital video standards for 3G-SDI, HD-SDI, and SDI
- Buffered 3G-SDI/HD-SDI/SDI input loop-throughs
- Input equalization and reclocking on buffered loop-throughs
- Audio breakaway enables independent audio and video switching
- Immunity to pathological signal patterns

**NOW SHIPPING**

Model	Version Description	Part Number
XTP CP 4i 3G-SDI	Four Input Board, 3G-SDI w/ Stereo Audio	70-1050-01

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XTP SYSTEMS

XTP FT HD 4K**XTP Fiber Optic Transmitter for HDMI**

The Extron XTP FT HD 4K is an XTP® transmitter that enables extension of video, audio, bidirectional control, and Ethernet over one fiber optic cable. This HDCP-compliant transmitter supports computer and video resolutions up to 4K with 4:4:4 color sampling, including 1080p/60 with Deep Color. For streamlined integration, it features an HDMI loop-through with selectable audio control and enables embedding of analog stereo audio signals. Ethernet extension and insertion of bidirectional RS-232 and IR allow LAN access and AV device control at remote locations. Signals can be sent up to 700 meters (2,297 feet) over OM4 multimode fiber optic cable and up to 10 km (6.21 miles) when using singlemode cable. The XTP FT HD 4K is ideal for XTP Systems® that require secure, long-haul distribution of pixel-for-pixel video, audio, and control signals.

FEATURES

- Transmits video, audio, bidirectional RS-232 and IR control, and Ethernet over one fiber optic cable
- Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- Bidirectional RS-232 and IR insertion for AV device control
- HDMI loop-through with selectable audio control
- HDCP compliant
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Ethernet extension
- Compatible with all XTP products
- Available as a multimode model for moderate-range transmissions up to 700 meters (2,297 feet) and a singlemode model for extreme distances up to 10 km (6.21 miles)

**4K UHD****NOW SHIPPING**

Model	Version Description	Part Number
XTP FT HD 4K MM	HDMI Transmitter - Multimode	60-1276-11
XTP FT HD 4K SM	HDMI Transmitter - Singlemode	60-1276-12

XTP FR HD 4K**XTP Fiber Optic Receiver for HDMI**

The Extron XTP FR HD 4K is an XTP® receiver that enables extension of video, audio, bidirectional control, and Ethernet over one fiber optic cable. This HDCP-compliant receiver supports computer and video resolutions up to 4K with 4:4:4 color sampling. For streamlined integration, it provides selectable HDMI audio pass-through, audio de-embedding to digital S/PDIF or analog stereo audio outputs, and relays for room control. Ethernet extension and insertion of bidirectional RS-232 and IR allow LAN access and AV device control at remote locations. Signals can be delivered up to 700 meters (2,297 feet) over OM4 multimode fiber optic cable and up to 10 km (6.21 miles) when using singlemode cable. The XTP FR HD 4K is ideal for XTP Systems® that require secure, long-haul distribution of pixel-for-pixel video, audio, and control signals.

FEATURES

- Accepts video with embedded audio, bidirectional RS-232 and IR control, and Ethernet over one fiber optic cable
- Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- Bidirectional RS-232 and IR insertion for AV device control
- HDCP compliant
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Ethernet extension
- HDMI audio de-embedding with multi-channel digital S/PDIF audio and analog stereo audio outputs
- Two relays for controlling room functions
- Compatible with all XTP products
- Available as a multimode model for moderate-range transmissions up to 700 meters (2,297 feet) and a singlemode model for extreme distances up to 10 km (6.21 miles)

**4K UHD****NOW SHIPPING**

Model	Version Description	Part Number
XTP FR HD 4K MM	HDMI Receiver - Multimode	60-1276-21
XTP FR HD 4K SM	HDMI Receiver - Singlemode	60-1276-22

XTP SYSTEMS

XTP SFR HD 4K

XTP Fiber Optic Scaling Receiver for HDMI

The Extron XTP SFR HD 4K is an XTP® scaling receiver for extending video, audio, bidirectional control, and Ethernet over one fiber optic cable. It accepts signals from XTP Fiber transmission products, and incorporates Extron Vector™ 4K scaling technology to deliver selectable HDMI output resolutions up to 4K with uncompromised image quality. For streamlined integration, it features on-screen menus, audio de-embedding to digital S/PDIF or analog stereo audio outputs, and relays for room control. Ethernet extension along with RS-232 and IR insertion allow LAN access and remote AV device control. Signals can be delivered up to 700 meters (2,297 feet) over OM4 multimode fiber optic cable and up to 10 km (6.21 miles) over singlemode cable. The XTP SFR HD 4K is ideal for XTP Systems® that require long-haul distribution and scaling of 4K video.

FEATURES

- Accepts video with embedded audio, bidirectional RS-232 and IR control, and Ethernet over one fiber optic cable
- Advanced Extron Vector™ 4K scaling technology
- Selectable output rates from 640x480 to 3840x2160
- Bidirectional RS-232 and IR insertion for AV device control
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Ethernet extension
- HDMI audio de-embedding with multi-channel digital S/PDIF audio and analog stereo audio outputs
- Compatible with all XTP products
- RS-232 control
- Available as a multimode model for moderate-range transmissions up to 700 meters (2,297 feet) and a singlemode model for extreme distances up to 10 km (6.21 miles)



4K UHD

VECTOR 4K
SCALING

NOW SHIPPING

Model	Version Description	Part Number
XTP SFR HD 4K MM	HDMI Scaling Receiver - Multimode.....	60-1278-21
XTP SFR HD 4K SM	HDMI Scaling Receiver - Singlemode	60-1278-22

eBUS BUTTON PANELS

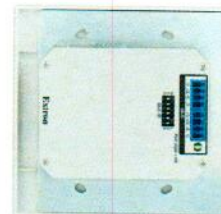
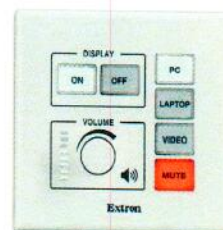
EBP 100**eBUS Button Panel - 2-Gang**

The Extron EBP 100 eBUS® Button Panel is a fully-customizable AV system control interface designed for use with Extron eBUS-enabled control systems. This easy-to-use control panel connects to an IPCP Pro control processor to perform a wide variety of AV system functions such as display On/Off, input switching, volume control, and much more. The EBP 100 features six dual-colored backlit buttons for easy operation in low-light environments and a volume knob for smooth, precise volume adjustments. Two eBUS ports are available for easy system expansion. eBUS button panels are linked to the control processor and to each other using a single cable that carries both power and communication. The EBP 100 mounts in a two-gang junction box, and includes black and white faceplates.

FEATURES

- Fully customizable button panel integrates easily with an Extron Pro Series control system
- Six dual-color, customizable, back-lit buttons
- Two eBUS® ports allow for quick system expansion and upgrades
- Compatible with all Extron IPCP Pro control processors
- Use a single button panel or combine multiple button panels to accommodate a broad variety of system designs
- eBUS button panels connect to the control processor and each other using a single cable that carries both power and communication
- Dip switches are used to set unique eBUS device addresses and minimize setup time
- Volume control knob with LEDs for visual feedback

Model	Version Description	Part Number
EBP 100	2-Gang, Black and White, 6 Button	60-1388-01

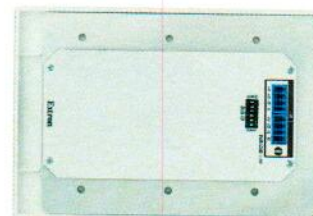
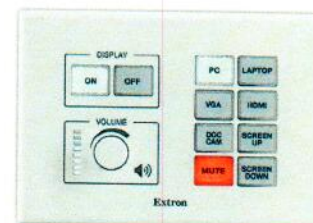
**EBP 200****eBUS Button Panel - 3-Gang**

The Extron EBP 200 eBUS® Button Panel is a fully-customizable AV system control interface designed for use with Extron eBUS-enabled control systems. This easy-to-use control panel connects to an IPCP Pro control processor to perform a wide variety of AV system functions such as display On/Off, input switching, volume control, and much more. The EBP 200 features 10 dual-colored backlit buttons for easy operation in low-light environments and a volume control knob for smooth, precise volume adjustments. Two eBUS ports are available for easy system expansion. eBUS button panels are linked to the control processor and to each other using a single cable that carries both power and communication. The EBP 200 mounts in a three-gang junction box, and includes black and white faceplates.

FEATURES

- Fully customizable button panel integrates easily with an Extron Pro Series control system
- Ten dual-color, customizable, back-lit buttons
- Two eBUS® ports allow for quick system expansion and upgrades
- Compatible with all Extron IPCP Pro control processors
- Use a single button panel or combine multiple button panels to accommodate a broad variety of system designs
- eBUS button panels connect to the control processor and each other using a single cable that carries both power and communication
- Dip switches are used to set unique eBUS device addresses and minimize setup time
- Volume control knob with LEDs for visual feedback

Model	Version Description	Part Number
EBP 200	3-Gang, Black and White, 10 Button	60-1389-01



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eBUS BUTTON PANELS

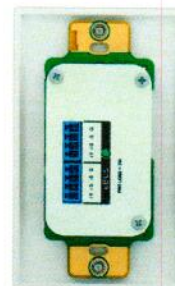
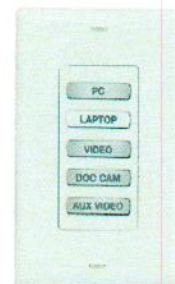
EBP 105 D**eBUS Button Panel - Decora Wallplate**

The Extron EBP 105 D eBUS® Button Panel is a fully-customizable AV system control interface for Extron eBUS-enabled control systems. This easy-to-use control panel connects to an IPCP Pro control processor to perform a wide variety of AV system functions such as On/Off, input switching, volume control, and much more. The EBP 105 D offers five customizable, soft touch buttons that are backlit for easy operation in low-light environments. Two eBUS ports are available for easy system expansion. eBUS button panels are linked to the control processor and to each other using a single cable that carries both power and communication. The EBP 105 D mounts in a single gang junction box, and includes black and white Decora wallplates.

FEATURES

- Fully customizable button panel integrates easily with an Extron Pro Series control system
- Five backlit, soft-touch buttons that can be customized using Extron's Custom Button Builder
- Two eBUS® ports allow for quick system expansion and upgrades
- Compatible with all Extron IPCP Pro control processors
- Use a single button panel or combine multiple button panels to accommodate a broad variety of system designs
- eBUS button panels connect to the control processor and each other using a single cable that carries both power and communication
- Dip switches are used to set unique eBUS device addresses and minimize setup time
- eBUS diagnostic LED provides connection status for troubleshooting
- Built-in speaker provides audible feedback for button presses
- Removable captive screw connectors allow for quick installation

Model	Version Description	Part Number
EBP 105 D	Decora, Black and White, 5 Button	60-1085-01

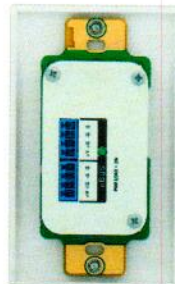
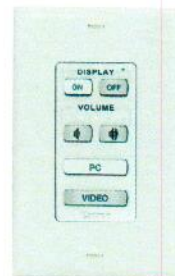
**EBP 106 D****eBUS Button Panel - Decora Wallplate**

The Extron EBP 106 D eBUS® Button Panel is a fully-customizable AV system control interface for Extron eBUS-enabled control systems. This easy-to-use control panel connects to an IPCP Pro control processor to perform a wide variety of AV system functions such as display On/Off, input switching, volume control, and much more. The EBP 106 D offers six customizable, soft touch buttons that are backlit for easy operation in low-light environments. Two eBUS ports are available for easy system expansion. eBUS button panels are linked to the control processor and to each other using a single cable that carries both power and communication. The EBP 106 D mounts in a single gang junction box, and includes black and white Decora wall plate kits.

FEATURES

- Fully customizable button panel integrates easily with an Extron Pro Series control system
- Six backlit, soft-touch buttons that can be customized using Extron's Custom Button Builder
- Two eBUS® ports allow for quick system expansion and upgrades
- Compatible with all Extron IPCP Pro control processors
- Use a single button panel or combine multiple button panels to accommodate a broad variety of system designs
- eBUS button panels connect to the control processor and each other using a single cable that carries both power and communication
- Dip switches are used to set unique eBUS device addresses and minimize setup time
- eBUS diagnostic LED provides connection status for troubleshooting
- Volume adjustment buttons with LED level indication
- Built-in speaker provides audible feedback for button presses
- Removable captive screw connectors allow for quick installation

Model	Version Description	Part Number
EBP 106 D	Decora, Black and White, 6 Button	60-1084-01



eBUS BUTTON PANELS

EBP 105 EU and EBP 105 MK**eBUS Button Panels - EU and MK Wall Frames**

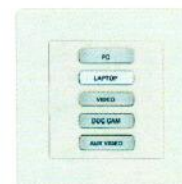
The Extron EBP 105 EU and EBP 105 MK eBUS® Button Panels are fully-customizable AV system control interfaces for Extron eBUS-enabled control systems. This easy-to-use interface connects to an IPCP-Pro control processor to perform a wide variety of AV functions, such as display On/Off, input switching, volume control, and much more. The EBP 105 EU and EBP 105 MK offer five customizable, soft touch buttons that are backlit for easy operation in low-light environments. Both button panels feature two eBUS ports for easy system expansion. All eBUS button panels are linked to the control processor and to each other using a single cable that carries both power and communication. The EBP 105 EU mounts in a European junction box with 60 mm mounting centers, while the EBP 105 MK mounts in a single MK junction box for UK, Singapore, Hong Kong, and other markets that use MK-type junction boxes.

FEATURES

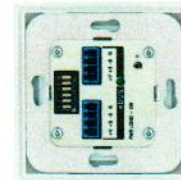
- Fully customizable button panel integrates easily with an Extron Pro Series control system
- Five back-lit, soft-touch buttons that can be customized using Extron's Custom Button Builder
- Two eBUS® ports allow for quick system expansion and upgrades
- Compatible with all Extron IPCP Pro control processors
- Use a single button panel or combine multiple button panels to accommodate a broad variety of system designs
- eBUS button panels connect to the control processor and each other using a single cable that carries both power and communication
- Dip switches are used to set unique eBUS device addresses and minimize setup time
- eBUS diagnostic LED provides connection status for troubleshooting
- Built-in speaker provides audible feedback for button presses



EBP 105 EU



EBP 105 MK



Model	Version Description	Part Number
EBP 105 EU	EU Mount, Black and White, 5 Button	60-1085-31
EBP 105 MK	MK Mount, White, 5 Button	60-1085-23

EBP 106 EU and EBP 106 MK**eBUS Button Panels - EU and MK Wall Frames**

The Extron EBP 106 EU and EBP 106 MK eBUS® Button Panels are fully-customizable AV system control interfaces for Extron eBUS-enabled control systems. This easy-to-use interface connects to an IPCP-Pro control processor to perform a wide variety of AV functions, such as display On/Off, input switching, volume control, and much more. The EBP 106 EU and EBP 106 MK offer six customizable, soft touch buttons that are backlit for easy operation in low-light environments. Both button panels feature two eBUS ports for easy system expansion. All eBUS button panels are linked to the control processor and to each other using a single cable that carries both power and communication. The EBP 106 EU mounts in a European junction box with 60 mm mounting centers, while the EBP 106 MK mounts in a single MK junction box for UK, Singapore, Hong Kong, and other markets that use MK-type junction boxes.

FEATURES

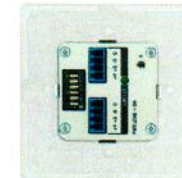
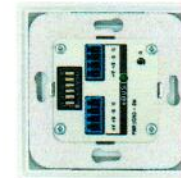
- Fully customizable button panel integrates easily with an Extron Pro Series control system
- Six back-lit, soft-touch buttons that can be customized using Extron's Custom Button Builder
- Two eBUS® ports allow for quick system expansion and upgrades
- Compatible with all Extron IPCP Pro control processors
- Use a single button panel or combine multiple button panels to accommodate a broad variety of system designs
- eBUS button panels connect to the control processor and each other using a single cable that carries both power and communication
- Dip switches are used to set unique eBUS device addresses and minimize setup time
- eBUS diagnostic LED provides connection status for troubleshooting
- Volume adjustment buttons with LED level indication
- Built-in speaker provides audible feedback for button presses



EBP 106 EU



EBP 106 MK



Model	Version Description	Part Number
EBP 106 EU	EU Mount, Black and White, 6 Button	60-1084-31
EBP 106 MK	MK Mount, White, 6 Button	60-1084-23

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Extron

eBUS ACCESSORIES

EBDB**eBUS Distribution Hub**

The Extron EBDB is an eBUS® distribution hub that reduces cable runs by providing a convenient connection point for eBUS wiring infrastructure. The EBDB is the ideal choice for larger or more complex control systems that require a more elaborate cabling infrastructure. A front panel status LED indicates when power is present on one of the 10 eBUS distribution ports. All ports are connected in parallel, allowing each port to act as an input or an output for eBUS communication. The compact 1U, one-quarter rack width enclosure can be quickly and securely mounted to rack rails, tables, lecterns, and other small spaces.

FEATURES

- Ten parallel eBUS® ports provide a common connection point for multiple eBUS devices
- Front panel status LED indicates when power is present on one of the 10 eBUS distribution ports
- Compact plastic enclosure with ZipClip™ 200 mounting capability
- Compact, 1U enclosure can be easily mounted on a desk, in a podium, in a rack, or under furniture
- Mounts directly to Extron basic and universal rack shelf products or a variety of surfaces, including rack rails, tables, lecterns, projector poles, and table legs



Model	Version Description	Part Number
EBDB	10 eBUS Ports.....	60-1170-01

PS 1220EB**eBUS 12 VDC Power Supply and Distribution Hub**

The Extron PS 1220EB is a 12 volt, 24 watt, rack mountable eBUS® power supply and distribution hub. The PS 1220EB provides additional power for larger or more complex control systems and reduces cable runs by providing a convenient connectivity point for eBUS devices. There are six parallel and interchangeable eBUS distribution ports, which allows each port to act as an input or an output port. In addition, each port provides 12 VDC of power to connected eBUS devices. The PS 1220EB is housed in a compact enclosure that can be quickly and securely mounted to rack rails, tables, and lecterns. The compact 1U, one-quarter rack width enclosure enables it to be installed in small spaces while providing maximum eBUS connectivity.

FEATURES

- Six parallel eBUS® ports provide power and connections for multiple eBUS devices
- Energy-efficient power supply for low power consumption and reduced operating costs
- Plastic enclosure with ZipClip™ 200 mounting capability
- Compact, rack-mountable 1U, one-quarter rack width enclosure requires little desktop or rack space
- Mounts directly to Extron basic and universal rack shelf products or a variety of surfaces, including rack rails, tables, lecterns, projector poles, and table legs
- Extron designed and engineered for increased durability and reliability



Model	Version Description	Part Number
PS 1220EB	Power and Six eBUS Ports.....	70-988-01

TOUCHLINK PRO SERIES TOUCHPANELS

TLP Pro 1022T**10" Tabletop TouchLink Pro Touchpanel**

The Extron TLP Pro 1022T is a 10" tabletop touchpanel featuring a sleek design with edge-to-edge glass and a high-performance capacitive touchscreen. As with all TouchLink® Pro models, this new, customizable touchpanel features faster processing and more memory. The 1024x600 capacitive touchscreen provides a vibrant image, more responsive control surface, and increased vertical viewing angle. Power over Ethernet - PoE allows the touchpanel to receive power and communication over a single Ethernet cable. The TLP Pro 1022T features the same modern design as our larger TouchLink Pro touchpanels, allowing it to easily blend in with existing Extron technology in your facility. It is ideal for any AV application requiring a large, tabletop touchpanel with a fully customizable interface.

FEATURES

- 10" capacitive touchscreen with 1024x600 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link® Pro control processors
- Power over Ethernet allows the touchpanel to receive power and communication over a single Ethernet cable, eliminating the need for a local power supply - PoE injector sold separately
- Built-in speakers provide stereo audio
- Light sensor adjusts screen brightness as the ambient room lighting changes
- Configurable red and green status lights indicate a room's availability or call status
- System connection status indicator provides visual feedback if the touchpanel is not communicating with a control processor
- Automatic clock synchronization allows touchpanel to display the accurate time and date
- Weighted base allows up to 40° of tilt
- Energy-saving features:
 - Adjustable sleep timer puts touchpanel into sleep mode
 - Motion detector wakes touchpanel



Model	Version Description	Part Number
TLP Pro 1022T	Black - Tabletop & VESA	60-1601-02

TLP Pro 1022M**10" Wall Mount TouchLink Pro Touchpanel**

The Extron TLP Pro 1022M is a 10" wall mount touchpanel featuring a sleek design with edge-to-edge glass and a high-performance capacitive touchscreen. As with all TouchLink® Pro models, this new, customizable touchpanel features faster processing and more memory. The 1024x600 capacitive touchscreen provides a vibrant image, more responsive control surface, and increased vertical viewing angle. Power over Ethernet - PoE allows the touchpanel to receive power and communication over a single Ethernet cable. The TLP Pro 1022M features the same modern design as our larger TouchLink Pro touchpanels, allowing it to easily blend in with existing Extron technology in your facility. It is ideal for any AV application requiring a large, wall mount touchpanel with a fully customizable interface.

FEATURES

- 10" capacitive touchscreen with 1024x600 resolution and 18-bit color depth
- Faster processing and more memory
- Compatible with all IP Link® Pro control processors
- Power over Ethernet allows the touchpanel to receive power and communication over a single Ethernet cable, eliminating the need for a local power supply - PoE injector sold separately
- Built-in speakers provide stereo audio
- Light sensor adjusts screen brightness as the ambient room lighting changes
- Configurable red and green status light indicates a room's availability or call status
- System connection status indicator provides visual feedback if the touchpanel is not communicating with a control processor
- Automatic clock synchronization allows touchpanel to display the accurate time and date
- Energy-saving features:
 - Adjustable sleep timer puts touchpanel into sleep mode
 - Motion detector wakes touchpanel
- Mounts on a wall, lectern, or any flat surface



Model	Version Description	Part Number
TLP Pro 1022M	Black - Wall Mount	60-1602-02

For updated product availability, go to www.extron.com

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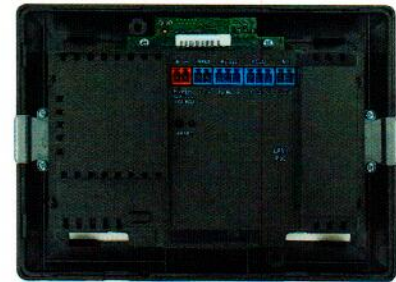
TOUCHLINK PRO CONTROLLER

TLC Pro 521M**5" Wall Mount TouchLink Pro Controller**

The Extron TLC Pro 521M is a convenient, all-in-one 5" wall mount touchpanel with a built-in control processor. This easy to use, fully-configurable TouchLink controller combines a vibrant touchscreen with powerful AV system control and enhanced security. The TLC Pro 521M has the same highly-responsive, capacitive touchscreen as the TLP Pro 520M TouchLink® Pro Touchpanel, and adds a secure, powerful control processor, producing a feature-packed touchpanel controller in a compact form factor. For ease of integration, Power over Ethernet - PoE allows the controller to receive power and communication over a single Ethernet cable, eliminating the need for a local power supply. The TLC Pro 521M is ideal for classrooms, boardrooms, or any presentation environment requiring the visual appeal of a touchpanel and the control options found within Extron control processors.

FEATURES

- 5" capacitive touchscreen with 800x480 resolution and 16 million colors
- Built-in control processor
- One bidirectional RS-232 port
- Two relays for controlling room functions
- One IR/Serial port for one-way control of external devices
- One digital input
- Power over Ethernet allows the controller to receive power and communication over a single Ethernet cable, eliminating the need for a local power supply
 - PoE injector sold separately
- Supports Ethernet-controllable devices:
 - Up to 4 devices with GC Plus
 - Up to 8 devices with GC Pro
- Removable captive screw connectors
- Configurable red and green status lights
- Built-in speaker provides audible feedback from button presses
- Energy-saving features:
 - Adjustable sleep timer puts the controller into sleep mode
 - Motion detector wakes the controller
- Fully-configurable using Extron control system software



Model	Version Description	Part Number
TLC Pro 521M	Wall Mount Controller	60-1284-02

TOUCHLINK PRO INTERFACE

CCI Pro 700**TouchLink Pro Conference Room Control Interface**

The Extron CCI Pro 700 is the industry's first control system user interface optimized for conferencing, collaboration, and AV control. It supports many of the critical functions needed in a conferencing environment, while providing a powerful and intuitive user interface for room control. The compact CCI Pro 700 includes a 3.5" color information display, a numeric keypad, and backlit buttons. The information display may be used to show contact information, call directories, and call status. Buttons directly below the display may be used to navigate custom lists and menus. The information display is customized using GUI Designer, and all buttons can be configured and customized using Global Configurator Plus and Pro, and Custom Button Builder. This flexible design affords countless conferencing and control possibilities.

FEATURES

- Control conference systems and AV devices from a single, easy-to-use interface
- Familiar and intuitive design
- Works seamlessly with virtually any audio and video conferencing solution
- Supports Microsoft® Skype® for Business when used in conjunction with Extron Codec Connect™
- Compatible with all IP Link Pro control processors
- Customizable 3.5" color information display with context-dependent buttons
- Six backlit soft-touch function buttons for AV device control or call presets
- Dual color call status indicator
- Configurable buttons for critical conference functions
- Power over Ethernet allows the interface to receive power and communication over a single Ethernet cable, eliminating the need for a local power supply
 - PoE injector sold separately
- Light sensor adjusts screen and button brightness as the ambient room lighting changes
- Energy-saving features:
 - Adjustable sleep timer puts interface into sleep mode
 - Motion detector wakes the interface
- Fully-configurable using Extron control system software



 Skype for Business

Model	Version Description	Part Number
CCI Pro 700	Conference Control Interface	60-1206-02

IP LINK PRO CONTROL PROCESSORS

IPCP Pro 555

IP Link Pro Control Processor

The Extron IPCP Pro 555 is a versatile, high-performance control processor with a dedicated AV LAN port. It features advanced security standards and dual Gigabit Ethernet ports, which ensure compatibility with multiple TouchLink® Pro touchpanels using today's network infrastructure. Of the two Ethernet ports, the AV LAN is designated to control local AV devices, and is secure from outside interference or intrusion. The IPCP Pro 555 can be used with Extron LinkLicense®, which further enhances the capabilities of Extron Pro Series control systems. The IPCP Pro 555 is an ideal choice for controlling multiple devices and signal types within AV systems requiring an isolated AV network.

FEATURES

- Supports TouchLink Pro touchpanels
- AV LAN port allows AV devices to be isolated from the corporate network
- Supports secure industry standard communications protocols
- Supports LinkLicense
- Six bidirectional RS-232 serial ports with software handshaking
- Two bidirectional RS-232/RS-422/RS-485 serial ports with hardware and software handshaking
- Eight IR/Serial ports for one-way control of external devices
- Four Flex I/O ports
- Eight relays for controlling room functions
- Four independently switched 12 VDC outputs
- Ethernet monitoring and control across dual Ethernet ports
- Supports popular BMS – Building Management System protocols, such as BACnet, KNX, and DALI



IP LINK PRO

Model	Version Description	Part Number
IPCP Pro 555	IP Link Pro Control Processor	60-1434-01
IPCP Pro 555	IP Link Pro Control Proc. w/LinkLicense	60-1434-01A


SOFTWARE

LinkLicense

Add Powerful Capabilities to Extron Pro Series Control Systems

Extron LinkLicense® is a quick, cost-effective way to add even more powerful capabilities to Extron control systems. In addition to BYOD room control options that turn mobile devices or computers into primary control interfaces in an Extron control system, LinkLicense enables access to the Codec Connect™ utility for software conferencing. Behind the scenes, you'll have the added power and security inherent in all Extron Pro Series control products. LinkLicense is applied per system, not per user, and there are no hidden costs.

FEATURES

-  LinkLicense for Software Conferencing:
 - Works with Extron Codec Connect to provide secure, direct access to Skype and Skype for Business
 - Helps transform traditional software conferencing codecs into customizable, user-driven applications that enhance all aspects of both conferencing and AV system control
 - No central management of licenses required
- LinkLicense for User Interfaces:
 - Cut costs by using a single license per system
 - Operates seamlessly with the TouchLink App
 - Use in a system where a TouchLink Pro touchpanel may not be present
 - Simplify deployment of BYOD - Bring Your Own Device control designs
 - Ease of support by standardizing on a consistent BYOD control approach across your organization
 - No central management of licenses required



NOW AVAILABLE

Model	Version Description	Part Number
LinkLicense	For Software Conferencing	79-2546-02
LinkLicense	For User Interfaces	79-2546-01

For updated product availability, go to www.extron.com

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Extron

SOFTWARE

Extron Control**Control App for TouchLink and MediaLink**

Extron Control is an easy-to-use AV control system app that gives users complete access to Extron control systems directly from an iPad or Android tablet. After a quick initial setup, your device connects to the desired room, allowing a seamless, highly-responsive control experience. Extron Control automatically loads the user interfaces present on any Extron control product without a lengthy setup and customization process. The familiar interfaces emulate the TouchLink touchpanel or MediaLink controllers in your room, and all button presses are kept in sync between the app and your Extron control devices. Extron Control is available for immediate download from the iTunes App Store and Google Play.

FEATURES

- Provides a convenient point of control for Extron control systems
- Supports all TouchLink, TouchLink Pro touchpanels and Ethernet-enabled MediaLink, MediaLink Plus controllers
- Familiar user interface provides the same experience as the touchpanel or controller
- Supports Extron LinkLicense
- Room Manager allows users to easily add touchpanels or controllers and customize room lists
- Quickly switch between rooms with a single tap on the screen
- Button tracking allows your device and touchpanel or controller to stay in sync
- Provides real-time status and remote control of multiple rooms for troubleshooting and management
- Compatible with iOS VoiceOver feature that provides text to speech option for button labels and states
- Wireless control using a Wi-Fi network allows users to move freely around a room and between rooms



NOW AVAILABLE



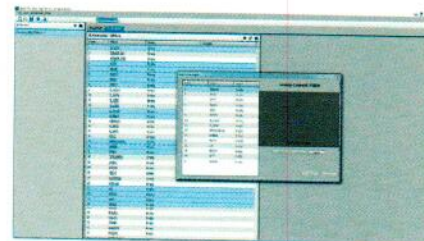
Model	Version Description	Part Number
Extron Control for iPad	iPad App for Extron Control Systems	79-559-01
Extron Control for Android	Android App for Extron Control Systems	79-600-01

IR Learner Pro**IR Learning and Driver Creation Software for Pro Series Control Products**

Extron IR Learner™ Pro is a Windows-based software utility that captures infrared codes from IR remotes and creates custom drivers for controlling IR devices. It is designed for use with Extron IP Link Pro control processors that feature a built-in IR capture port, such as IPCP Pro control processors and the IPL Pro IRS8. IR Learner Pro makes it easy to establish communication with Extron IR learning hardware by using a TCP/IP connection.

FEATURES

- Designed for use with IP Link Pro control processors that feature an IR capture port
- Create new or modify existing IR drivers
- Save driver files and upload to IP Link®-enabled devices
- Easy to use Windows-based application
- Available for free from www.extron.com

Available for download at
www.extron.com

Model	Version Description	Part Number
IR Learner Pro	IR Learning Software	79-582-01

SOFTWARE

Codec Connect**Control Application for Soft Codecs**

Extron Codec Connect™ is a software application that enables direct, secure communications between an Extron IPCP Pro control processor and Skype for Business. Developed using Extron LinkLicense technology, Codec Connect transforms traditional software conferencing codecs into customizable, user-driven applications that enhance all aspects of both conferencing and AV system control. Once installed on a conferencing PC, Codec Connect allows full software codec control and access to contacts, content sharing, and participant management, all from an Extron CCI Pro 700, TouchLink Pro touchpanel, Apple iPad, and many more devices.

FEATURES

- Works with Extron LinkLicense to provide secure, direct access to Skype for Business
- Provides secure communications between a PC with Skype for Business installed and an IPCP Pro control processor
- Extends conferencing capabilities by allowing the control system to efficiently perform a number of customized, user-driven tasks
- Data from Codec Connect can be used on any Extron interface designed with GUI Designer and configured with Global Configurator Professional
- Allows options for users to initiate calls, import contacts, add desktop sharing resources, share a call, and many others



 **Skype for Business**

Available for download at
www.extron.com

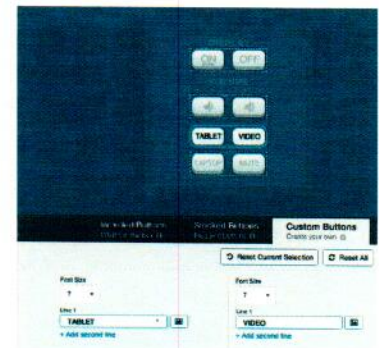
Model	Version Description	Part Number
Codec Connect	Conferencing Software	79-603-01

Custom Button Builder**Create Buttons with Just a Few Clicks**

The Extron Custom Button Builder enables convenient and simple customization of soft-touch, backlit buttons for a variety of Extron control products. This dynamic online tool allows individual button customization as well as graphical representations of whole product button layouts with many options for easy edits. The sign-off page provides a detailed order summary as well as graphical representations of all buttons ordered.

FEATURES

- Customize text for individual buttons or entire products
- Easily change text for single or dual line buttons while adjusting font size and monitoring character count
- Choose from a wide variety of symbols, and mix and match symbols and text
- A running Bill of Materials keeps track of all buttons and generates a part number for easy reordering
- When finished, the sign-off page provides order details, part number, and graphical representations of the customized buttons



Available at
www.extron.com

For updated product availability, go to www.extron.com

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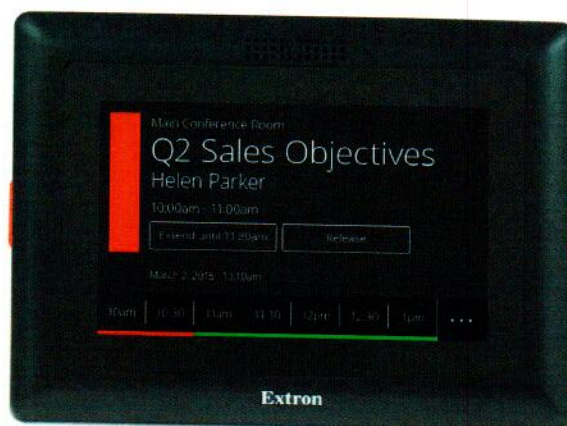
Extron

EXTRON ROOM SCHEDULING SYSTEM

New Features for Room Agent Version 1.1

- Multi-language support – Extron Room Scheduling Now supports 22 languages
- Check-In Button confirms attendance for the scheduled meeting and retains the reserved status of the room, even if the start of the meeting is delayed
- Scheduling Activity File – Each panel now captures and retains a downloadable activity file, that provides Exchange information, as well as information input directly on the touchpanel setup
- Exchange auto-discovery feature streamlines touchpanel setup
- Room Agent can now handle all panel firmware updates

Quick and Easy System Setup
with No Programming Required



NOW AVAILABLE

Room Agent Transforms TouchLink Pro Touchpanels into Full-Featured Room Booking Appliances

In today's business environments, meeting rooms are in high demand; and finding an available room can be a time-consuming experience. Extron has simplified the room booking experience with Room Agent™ software, which works in concert with TouchLink touchpanels to create a complete room booking solution. The Extron Room Scheduling System conveniently displays a room's meeting information and occupancy status on a standard TouchLink Pro touchpanel. While competitive devices rely on additional scheduling software or external processors, Room Agent ties TouchLink Pro touchpanels directly to Microsoft Exchange, delivering a convenient stand-alone room booking solution for any size application. Users can reserve rooms from any Exchange-connected device, including their mobile devices, or from the touchpanel, itself. Since Room Agent uses Extron's popular 5" and 7" TouchLink Pro touchpanels, multiple mounting options are available, including on-wall, in-wall, as well as secure mounting to almost any flat surface, including glass or granite.

Easy Setup and Fast Deployment

Room Agent Software is free, and makes setting up TouchLink Pro touchpanels a snap. Simply connect the touchpanel to your computer, open the free Room Agent software, fill in the required fields that compose the user interface, and you're done. Customization options allow fields to be shown or hidden, depending on user preference.

Room Agent 1.1 Language Support:

- | | | |
|-------------------------|-------------|--------------|
| • English | • French | • Portuguese |
| • Arabic | • German | • Russian |
| • Chinese (Simplified) | • Hebrew | • Spanish |
| • Chinese (Traditional) | • Italian | • Swedish |
| • Czech | • Japanese | • Thai |
| • Danish | • Korean | • Turkish |
| • Dutch | • Norwegian | • Vietnamese |
| • Finnish | • Polish | |

FEATURES

- Use TouchLink Pro Touchpanels for booking a room and displaying meeting information
- Room Agent software provides easy integration with Microsoft Exchange for convenient scheduling right from Outlook
- Make on-demand reservations from the touchpanel, computer, or any device that connects to Microsoft Exchange
- All communication between the touchpanel and Microsoft Exchange is encrypted and secure
- Room Agent makes it easy to copy settings among multiple room scheduling touchpanels
- Meeting rooms automatically become available as soon as a scheduled meeting ends
- Power over Ethernet - PoE allows the room scheduling touchpanel to receive power and communication over a single Ethernet cable

Model

Version Description

Part Number

Room Agent	Room Scheduling Setup Software	79-594-01
TLP Pro 520M	Black - Wall Mount	60-1185-02
TLP Pro 720M	Black - Wall Mount	60-1394-02
TLP Pro 720M	White - Wall Mount	60-1394-03
TLP Pro 720T	Black - Tabletop & VESA	60-1395-02

HDMI

EDID 101H 4K**EDID 4K Emulator with EDID Minder® for HDMI**

The Extron EDID 101H 4K is an EDID Emulator for HDMI signal sources. It features EDID Minder®, an Extron exclusive technology designed to provide automatic and continuous EDID - Extended Display Identification Data management. EDID Minder ensures that the source powers up properly and reliably outputs content. Pre-stored EDID is communicated to the source based on a user-selected resolution and refresh rate. Alternatively, the EDID 101H 4K can be set to capture and store EDID information when connected to a display. A unique HPD - Hot Plug Detect port provides control for remote cameras and other signal sources that require a periodic HPD trigger. The EDID 101H 4K is housed in a compact 1" high, quarter rack width enclosure for convenient, discreet installation. An energy-efficient external universal power supply is included.

FEATURES

- Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- EDID Minder® automatically manages EDID communication between connected devices
- Selectable resolutions and refresh rates
- EDID capture mode
- Supported HDMI specification features include data rates up to 10.2 Gbps, Deep Color up to 12 bit, 3D, and CEC pass-through
- HDCP compliant
- HPD - Hot Plug Detect control port



Model	Version Description	Part Number
EDID 101H 4K	EDID 4K Emulator with EDID Minder® for HDMI.....	60-1543-01

VIDEOWALL PROCESSORS

Quantum Connect 82 and Quantum Connect 84
HDCP-Compliant Videowall Processors

The Extron Quantum® Connect 82 and Quantum Connect 84 are HDCP-compliant videowall processors that deliver the same high quality video scaling, windowing capability, and reliable, real-time performance as Extron's flagship Quantum Elite processors. Quantum Connect is ideal for videowalls with two to four displays, delivering powerful, highly versatile video processing with flexible windowing capabilities. It features high performance video scaling technology capable of producing superior quality upscaled and downscaled images. Quantum Connect processors are available in two popular configurations featuring eight HDMI inputs and two or four HDMI outputs. They are ideal for crafting professional quality videowall presentations in public spaces, digital signage in retail environments, and control rooms.

FEATURES

- Videowall processing for videowalls with up to four displays
- HDCP-compliant HDMI inputs and outputs support resolutions up to 1920x1200 and 1080p/60
- High speed, dedicated video/graphic bus delivers real-time performance
- High quality image upscaling and downscaling
- Bezel compensation for flat-panel displays
- Quantum Connect 84 integrates easily into environments that incorporate a 4K display such as lobbies, auditoriums, and simulation systems
- HDCP Visual Confirmation provides a green signal when encrypted content is sent to a non-compliant display
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- HDCP encryption status LEDs on HDMI inputs and outputs
- Reliable connectivity for HDMI cables
- Easy-to-use configuration and control software
- Optimal reliability for critical environments



Quantum Connect 82



Quantum Connect 84

4K UHD**NOW SHIPPING**All-New HDMI Configurations
with Lower Pricing

Model	Version Description	Part Number
Quantum Connect 82	8 Input, 2 Output Videowall Processor.....	60-1114-11
Quantum Connect 84	8 Input, 4 Output Videowall Processor.....	60-1114-12

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Extron

STREAMING AV

SMP 351**H.264 Streaming Media Processor**

The SMP 351 is a high performance streaming and recording processor for capturing and distributing AV sources and presentations as live streaming or recorded media. It incorporates Extron's FlexOS®, a flexible platform for automating system operation. Accepting HDMI, component, composite, and optional 3G-SDI signals, it applies two-window processing to the selected sources. The SMP 351 can record and stream simultaneously and can stream at two different resolutions and bit rates concurrently using a range of transport protocols and session management options. Comprehensive control and configuration features make the SMP 351 integration-friendly, easy to control, and operate. Requiring no licensing fees, the SMP 351 has a low cost of ownership, making it a cost-effective solution for delivering presentations to a larger audience.

FEATURES

- Process two high resolution AV signals from up to five available inputs
- Stream and record simultaneously
- High quality scaling with flexible two-window management
- Produces MP4 media files that are compatible with virtually any media player
- Flexible I/O ports for advanced AV system management
- License-free operation contributes to a low cost of ownership
- Available with 400 Gigabytes of internal solid state storage to allow more time between content transfers



FlexOS

NOW SHIPPING

Model	Version Description	Part Number
SMP 351	Standard Version - 80 GB SSD	60-1324-01
SMP 351 3G-SDI	with 3G-SDI Input - 80 GB SSD	60-1324-02
SMP 351	Standard Version - 400 GB SSD	60-1324-11
SMP 351 3G SDI	with 3G-SDI Input - 400 GB SSD	60-1324-12

VNM EC 200**Enterprise Controller for VN-Matrix Systems**

The VNM EC 200 is a compact, dedicated enterprise controller for VN-Matrix® systems. It simplifies management of large VN-Matrix deployments, efficiently configuring, managing, and dynamically controlling large VN-Matrix systems from a single user interface. VN-Matrix devices can be selected in groups, and common configuration properties can be applied to all devices. Firmware can be uploaded to all devices or any group of devices in one action. Multiple VNM EC 200 controllers can be deployed in VN-Matrix systems, providing control over the entire system or independent clusters of VN-Matrix devices, or creating redundant systems for mission-critical applications.

FEATURES

- Manage, configure, and control all VN-Matrix units as a system
- Create system presets for stream routing and recording configurations
- Control VNS 104 Multi-Stream Decoding Software display configurations and streaming connections
- High-level interface provides single point of control from external control systems
- Manage multiple VN-Matrix systems in combined or independent domains
- Provide redundant control for mission-critical applications



Model	Version Description	Part Number
VNM EC 200	Enterprise Controller for VN-Matrix Systems	60-1516-01

STREAMING AV

Entwine EMP**Enterprise Media Platform for Lecture Capture**

Entwine™ EMP is a tightly-integrated end-to-end software solution that facilitates the capture, management, and playback of media files from meetings, lectures, and other live events. Current, previously recorded, or archived media files can be added to Entwine EMP, making everything accessible from a single point. Entwine catalogs and optimizes content for distribution or VOD - Video On Demand playback. A dedicated administrative dashboard provides management of content and devices across an entire enterprise. Recordings can be scheduled or ad hoc, and are accessible to viewers through a customizable user portal or through an LMS - Learning Management System. Entwine EMP seamlessly pairs with the SMP 351 Streaming Media Processor to ensure recordings with metadata are packaged for playback within the player environment.

FEATURES

- End-to-end solution for scheduling, capturing, processing, managing, and distributing media files
- Configurable user video portal
- Administrative management tools
- Powerful video search options
- Integrates with authentication systems
- Define and manage content access privileges

ENTWINE

Model**Version Description****Part Number**

Entwine EMP

Enterprise Media Platform for Lecture Capture 79-605-01



NEW PRODUCTS

AUDIO PRODUCTS

HAE 100 4K**HDMI Audio De-Embedder**

The Extron HAE 100 4K is an audio de-embedder that extracts the audio from an HDMI signal, including audio from 4K sources. The HAE 100 4K provides an analog output for stereo or dual mono signals, as well as a S/PDIF digital audio output that supports two-channel or digital multi-channel signals. It is HDCP compliant, supports data rates up to 10.2 Gbps, and is compatible with video resolutions up to 4K. The HAE 100 4K is equipped with several integrator-friendly features such as a buffered HDMI video output with EDID Minder® for simplified EDID management between the input source and the display, plus HDMI input cable equalization and comprehensive LED status display.

FEATURES

- HDMI audio de-embedding with analog stereo or dual mono, and digital S/PDIF audio outputs
- Supports computer and video resolutions up to 4K
- Supported HDMI specification features include data rates up to 10.2 Gbps, Deep Color up to 12-bit, 3D, and CEC pass-through
- User-selectable HDCP authorization
- Selectable output format
- De-embeds audio with or without HDMI output connected
- Simultaneous analog stereo and digital S/PDIF outputs when de-embedding two-channel LPCM audio
- HDMI audio pass-through
- EDID Minder® automatically manages EDID communication between connected devices
- Automatic HDMI input cable equalization to 50 feet (15 meters) at 4K, or 100 feet (30 meters) at 1080p/60 when used with Extron HDMI Pro cables
- Easy setup and commissioning with Extron's PCS - Product Configuration Software
- Rack-mountable 1" (2.5 cm) high, quarter rack width metal enclosure

**4K UHD**

Model	Version Description	Part Number
HAE 100 4K	HDMI Audio De-Embedder	60-1542-01

HAI 100 4K**HDMI Audio Embedder**

The Extron HAI 100 4K is an audio embedder that embeds two-channel analog audio, or two-channel or multi-channel S/PDIF digital audio onto the HDMI output signal. The HAI 100 4K includes an HDMI input, analog stereo audio and S/PDIF audio inputs, as well as an HDMI output. It is HDCP compliant and supports data rates up to 10.2 Gbps. The HAI 100 4K is compatible with video resolutions up to 4K. It includes several integrator-friendly features such as adjustable gain control for the analog audio input, EDID Minder® for simplified EDID management between the input source and the display, plus HDMI input cable equalization and comprehensive LED status display. The compact enclosure size simplifies installation in a variety of applications.

FEATURES

- Embeds two-channel analog or S/PDIF digital audio onto an HDMI signal
- Supports two-channel stereo analog audio, or two-channel or multi-channel S/PDIF digital audio
- Supports computer and video resolutions up to 4K
- Supported HDMI specification features include data rates up to 10.2 Gbps, Deep Color up to 12-bit, 3D, and CEC pass-through
- User-selectable HDCP authorization
- Selectable output format
- HDMI audio pass-through
- EDID Minder® automatically manages EDID communication between connected devices
- Automatic HDMI input cable equalization to 50 feet (15 meters) at 4K, or 100 feet (30 meters) at 1080p/60 when used with Extron HDMI Pro cables
- Comprehensive, real-time status LED indicators for troubleshooting and monitoring

**4K UHD**

Model	Version Description	Part Number
HAI 100 4K	HDMI Audio Embedder	60-1364-01

For updated product availability, go to www.extron.com

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Extron

AUDIO PRODUCTS

XPA 1002-70V and XPA 1002-100V**Two Channel High Impedance Amplifiers – 100 Watts Per Channel**

The Extron XTRA™ Series XPA 1002-70V and XPA 1002-100V are half rack 1U, convection cooled power amplifiers delivering two channels of 100 watts per channel for 70 volt or 100 volt high impedance speaker systems in voice reinforcement and distributed audio applications. These professional grade amplifiers feature a 100 dB signal-to-noise ratio with 0.1% THD+N. The XPA 1002-70V and XPA 1002-100V are ENERGY STAR® qualified amplifiers with an Extron exclusive, highly efficient, advanced Class D amplifier design. They also feature patented CDRS™ - Class D Ripple Suppression technology that provides a smooth, clean audio waveform and an improvement in signal fidelity over conventional Class D amplifiers. The XPA 1002-70V and XPA 1002-100V are housed in a half rack width metal enclosure, conserving rack space and weighing only 2.5 lbs (1.1 kg). The Extron exclusive, high efficiency design generates very little heat and allows the amplifier to be convection cooled.

FEATURES

- 200 watts rms output power:
XPA 1002-70V - 2 x 100 watts @ 70 volts
XPA 1002-100V - 2 x 100 watts @ 100 volts
- ENERGY STAR® qualified amplifier
- Professional grade signal-to-noise and THD+N performance
- Extron Patented CDRS™ - Class D Ripple Suppression
- Convection cooled, fanless operation
- Ultra low inrush current - no need for power sequencing
- Power factor correction - removes harmonic content on AC line
- Rack-mountable 1U, half rack width enclosure
- UL 2043 plenum rated when used with optional Flexible Conduit Adapter Kit
- Highly reliable, energy-efficient internal universal power supply



Learn more about cost saving
XTRA™ technologies
www.extron.com/xtrapaper

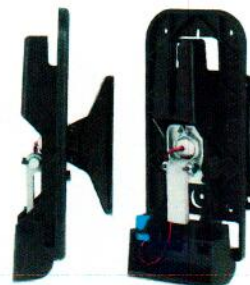
Model	Version Description	Part Number
XPA 1002-70V	100 Watts Per Ch @ 70 V	60-1302-01
XPA 1002-100V	100 Watts Per Ch @ 100 V	60-1302-11

SMK P SM 26/28**Pivot Mount Kit for SM 26 and SM 28 Speakers**

The Extron SMK P SM 26/28 pivot mount kit is an optional accessory for the SM 26 and SM 28 SpeedMount® surface mount speakers. It enables full 360° speaker rotation to provide maximum flexibility in aiming the speakers to suit the installation. The SMK P SM 26/28 mount features a fully adjustable pivot for left, right, downward, or upward positioning of speakers mounted on a wall or ceiling. It is designed to speed up installation. During rough-in, electrical contractors can install the SMK P SM 26/28 and terminate the speaker cable to the mount's integrated wiring contacts. Later, installers can slide the SM 26 or SM 28 speaker onto the mount and secure it into place, while automatically connecting to the wiring contacts. The SMK P SM 26/28 is sold in pairs, and is available in black or white to match the SM 26 and SM 28 speakers.

FEATURES

- Optional accessory for the SM 26 and SM 28 surface mount speakers
- One installation step connects the SM 26 or SM 28 speaker to the wiring contacts on the SMK P SM 26/28 and secures it into place
- Allows 360° of speaker rotation for maximum flexibility in aiming speakers
- Adjustable speaker pivot allows for flexible vertical or horizontal speaker installation:
 - SM 26: 30° of speaker pivot left, right, downward, or upward
 - SM 28: 30° of speaker pivot left, right, or downward, or 20° upward
- SMK P SM 26/28 pivot mount orientation remains constant when attaching or removing the speaker from the mount
- Provides cable raceway access for surface-mounted wiring applications
- Sold in pairs and available in black or white



Model	Version Description	Part Number
SMK P SM 26/28	Pivot Mount for SM 26 and SM 28, Pair - Black	70-978-02
SMK P SM 26/28	Pivot Mount for SM 26 and SM 28, Pair - White	70-978-03

EXTENDERS & LINE DRIVERS

HD 4K 110 Series

HDMI Signal Regenerator for 4K Sources

The Extron HD 4K 110 Series includes AAP and Decora®-style HDMI signal regenerators designed to recondition marginal or poor quality 4K source signals. They equalize the input signal, reduce jitter and skew, and provide output signal pre-emphasis, ensuring a stable output signal for optimal system performance. The HD 4K 110 is HDCP compliant, and supports video resolutions up to 4096x2160 @ 30 Hz. Source signals up to 4K resolution can be extended up to 25 feet (7.6 meters) when used with Extron HDMI Pro Series cables. For ease of integration, the regenerator can be powered by the source device or the included power supply. The HD 4K 110 Series signal regenerators ensure a reliable signal from an HDMI source connected at a wall, lectern, or floor box.

FEATURES

- Reconditions marginal or poor quality HDMI signals at the source
- Extends reconditioned 4K video signals up to 25 feet (7.6 meters) when used with Extron HDMI Pro Series cable
- Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- Can be powered by the HDMI source device
- Reliably passes EDID information and HDCP copy-protected content to the AV system
- Choice of AAP - Architectural Adapter Plate or Decora®-style form factors



HD 4K 110 AAP



HD 4K 110 D

4K UHD

NOW SHIPPING

Model	Version Description	Part Number
HD 4K 110 AAP	HDMI Signal Regenerator - AAP - Black	60-1535-12
HD 4K 110 AAP	HDMI Signal Regenerator - AAP - White	60-1535-13
HD 4K 110 D	HDMI Signal Regenerator - Decora - White	60-1552-13
HD 4K 110 D	HDMI Signal Regenerator - Decora - Black	60-1552-12

DISTRIBUTION AMPLIFIERS

DA HD 4K Series

4K HDMI Distribution Amplifiers

The Extron DA HD 4K Series are one input, multiple output distribution amplifiers for HDMI signals at resolutions up to 4K. They support computer and video resolutions up to 4096x2160 and 1080p/60 with Deep Color, as well as data rates up to 10.2 Gbps, 3D, Lip Sync, and HD lossless audio formats. Integration-friendly features include automatic input cable equalization, automatic color bit depth management, selectable output muting, plus Extron EDID Minder® and Key Minder® technologies. EDID Minder maintains continuous EDID communication between devices, and Key Minder continuously authenticates HDCP encryption to ensure simultaneous distribution. The DA HD 4K distribution amplifiers are available in sizes from two to six outputs, and are ideal for applications that require distribution of a 4K HDMI source signal to multiple displays.

FEATURES

- Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- Supported HDMI specification features include data rates up to 10.2 Gbps, Deep Color up to 12-bit, 3D, Lip Sync, and HD lossless audio formats
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance
- Automatic input cable equalization to 50 feet (15 meters) when used with Extron HDMI Pro Series cable
- Automatic color bit depth management
- Selectable output muting via RS-232 or USB port
- Easy setup and commissioning with Extron's PCS - Product Configuration Software
- HDCP authentication and signal presence LED indicators



DA2 HD 4K



DA4 HD 4K



DA6 HD 4K

4K UHD

NOW SHIPPING

Model	Version Description	Part Number
DA2 HD 4K	Two Output 4K HDMI	60-1480-01
DA4 HD 4K	Four Output 4K HDMI	60-1481-01
DA6 HD 4K	Six Output 4K HDMI	60-1482-01

For updated product availability, go to www.extron.com

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MATRIX SWITCHERS & SWITCHERS

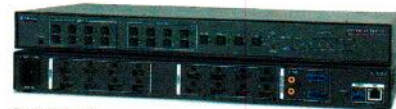
DXP HD 4K Series

4K HDMI Matrix Switchers with Audio De-Embedding

The Extron DXP HD 4K Series are high performance HDMI matrix switchers for computer and video resolutions up to 4K. They support HDMI specifications, including data rates to 10.2 Gbps, Deep Color up to 12-bit, 3D, and HD lossless audio formats. DXP HD 4K Series matrix switchers incorporate Extron technologies such as SpeedSwitch®, EDID Minder®, and Key Minder® as well as HDMI equalization and output regeneration to ensure reliable system operation. In addition, digital audio can be de-embedded from any input and assigned to digital or analog stereo outputs for ease of integration. Available in fixed I/O sizes from 4x4 to 16x16, the DXP HD 4K Series is ideal for applications that require reliable, high performance switching of HDMI video and audio signals between multiple sources and displays.

FEATURES

- Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- Supported HDMI specification features include data rates up to 10.2 Gbps, Deep Color up to 12-bit, 3D, and HD lossless audio formats
- HDMI audio de-embedding with digital S/PDIF and analog stereo audio outputs
- SpeedSwitch® Technology provides exceptional switching speed for HDCP-encrypted content
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- View I/O mode
- Ethernet monitoring and control
- Rack-mountable full rack width metal enclosure: 1U - 4x4, 8x4, and 8x8
2U - 16x8 and 16x16



DXP 88 HD 4K



DXP 1616 HD 4K

4K UHD

NOW SHIPPING

Model	Version Description	Part Number
DXP 44 HD 4K	4x4 HDMI with 2 Audio Outputs.....	60-1493-01
DXP 84 HD 4K	8x4 HDMI with 2 Audio Outputs.....	60-1494-01
DXP 88 HD 4K	8x8 HDMI with 2 Audio Outputs.....	60-1495-01
DXP 168 HD 4K	16x8 HDMI with 4 Audio Outputs.....	60-1496-01
DXP 1616 HD 4K	16x16 HDMI with 4 Audio Outputs.....	60-1497-01

SW HD 4K

Two and Four Input 4K HDMI Switchers

The Extron SW HD 4K are two and four input HDMI switchers for 4K video signals. They are designed for 4K video signal switching between multiple HDMI source devices to a single display. The switchers support computer and video resolutions up to 4096x2160 and 1080p/60 with Deep Color, as well as data rates up to 10.2 Gbps, 3D, Lip Sync, and HD lossless audio formats. Both models feature EDID Minder®, which maintains continuous EDID communication with connected devices and ensures that the HDMI sources power up properly and maintain correct video output. The switchers provide automatic input cable equalization up to 50 feet on Extron HDMI Pro Series cable. The SW HD 4K switchers offer front panel, RS-232, IR, contact closure, and auto-input switching control options for integration into a wide variety of environments.

FEATURES

- Supports computer and video resolutions up to 4K, including 1080p/60 Deep Color
- Supported HDMI specification features include data rates up to 10.2 Gbps, Deep Color up to 12-bit, 3D, Lip Sync, and HD lossless audio formats
- EDID Minder® automatically manages EDID communication between connected devices
- Automatic input cable equalization to 50 feet when used with Extron HDMI Pro Series cable
- Easy setup and commissioning with Extron's PCS – Product Configuration Software
- Multiple control options including front panel, RS-232, IR, contact closure, and auto input switching



SW2 HD 4K



SW4 HD 4K

4K UHD

NOW SHIPPING

Model	Version Description	Part Number
SW2 HD 4K	Two Input 4K HDMI Switcher.....	60-1483-01
SW4 HD 4K	Four Input 4K HDMI Switcher.....	60-1484-01

FIBER OPTICS

FOX II DP 4K**Fiber Optic Extender for DisplayPort, Multi-Channel Audio, RS-232, and IR**

The Extron FOX II DP 4K Fiber Optic Extender provides long haul extension of DisplayPort video, multi-channel audio, RS-232 control, and IR control signals over fiber optic cabling. Engineered with uncompromising quality and proven performance, it uses Extron all-digital technology to deliver lossless DisplayPort computer and video images up to 4096x2160, including 1080p/60 with Deep Color. This HDCP-compliant transmitter and receiver set brings new features to the FOX II Series, including support for 4K video and Type 2 dual-mode DisplayPort outputs. The FOX II DP 4K also includes many integrator-friendly features such as Key Minder®, EDID Minder®, audio embedding, audio gain and attenuation, along with real-time system monitoring.

FEATURES

- Extends DisplayPort video, multi-channel audio, RS-232 control, and IR control signals over fiber optic cabling
- Supports lossless 4K video up to 4096x2160 at 30 Hz with a 4:4:4 color space, including 1080p/60 Deep Color, over one fiber
- Vertical sync lock enables lossless 4K video transmission up to 4096x2160 at 60 Hz with a 4:4:4 color space using two transmitters
- HDCP compliant
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- Type 2 dual-mode DisplayPort for interoperability with HDMI, DVI, or VGA devices
- Buffered DisplayPort input loop-through
- Audio return channel

**4K UHD****NOW SHIPPING**

Model	Version Description	Part Number
FOX II T DP 4K MM	DP Transmitter - Multimode	60-1462-11
FOX II R DP 4K MM	DP Receiver - Multimode	60-1462-21
FOX II T DP 4K SM	DP Transmitter - Singlemode	60-1462-12
FOX II R DP 4K SM	DP Receiver - Singlemode	60-1462-22

FOX II T HD 4K**Fiber Optic Transmitter for HDMI, Multi-Channel Audio, RS-232, and IR**

The Extron FOX II T HD 4K Fiber Optic Transmitter provides long haul extension of HDMI video, multi-channel audio, RS-232 control, and IR control signals over fiber optic cabling. This HDCP-compliant transmitter brings new features to the FOX II Series. Engineered with uncompromising quality and proven performance, it uses Extron all-digital technology to deliver lossless HDMI computer and video images up to 4096x2160, including 1080p/60 with Deep Color. The transmitter also includes many integrator-friendly features such as Key Minder®, EDID Minder®, input loop-through for a local monitor, audio embedding, audio gain and attenuation, an internal test pattern, as well as real-time system monitoring. The FOX II T HD 4K represents the highest level of performance for the extensive FOX Series of fiber optic products from Extron.

FEATURES

- Transmits HDMI video, multi-channel audio, RS-232 control, and IR control signals over fiber optic cabling
- Supports lossless 4K video up to 4096x2160 at 30 Hz with a 4:4:4 color space, including 1080p/60 Deep Color, over one fiber
- Vertical sync lock enables lossless 4K video transmission up to 4096x2160 at 60 Hz with a 4:4:4 color space using two transmitters
- HDCP compliant
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- EDID Minder® automatically manages EDID communication between connected devices
- Buffered HDMI input loop-through
- Audio return channel
- Bidirectional RS-232 and IR signal transmission over fiber optic cabling for AV device control

**4K UHD****NOW SHIPPING**

Model	Version Description	Part Number
FOX II T HD 4K MM	HDMI Transmitter - Multimode	60-1351-11
FOX II T HD 4K SM	HDMI Transmitter - Singlemode	60-1351-12

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AV TO USB BRIDGE

MediaPort 200**HDMI and Audio to USB Scaling Bridge**

The Extron MediaPort 200 is an HDMI to USB bridge for integrating pro AV sources or systems with software codec conferencing applications. It works seamlessly with a computer using generic USB video and audio drivers. The MediaPort 200 features an HDMI input with HDCP-compliant loop through, accepts signals up to 1920x1200, and scales video to a USB 2.0 output. Audio features include program and mic inputs, HDMI audio de-embedding, and USB bidirectional audio, plus AEC reference and line level outputs. The MediaPort 200 also includes DSP with EQ, filters, mixing, dynamics, and ducking. This allows the MediaPort 200 to serve as a complete soft codec interface, with the added flexibility of integrating into larger hardware codec or DSP systems. The MediaPort 200 enables versatile integration of conferencing PCs into pro AV system designs.

FEATURES

- Integrates a pro AV source or system into a software codec application
- USB 2.0 connection appears as generic Webcam to host PC or Mac
- Video scaling provides USB output from 320x180 to 1080p/15 to match common software codec requirements
- Integrated advanced audio DSP
- AEC reference output interfaces with an outboard DSP for echo-free conferencing
- HDMI input with HDCP-compliant loop through enables simultaneous integration with a hardware videoconferencing codec
- Accepts and processes USB send and return audio
- Supports popular software communications platforms including Microsoft® Lync®/Skype® for Business, Adobe® Connect™, and Cisco® WebEx®
- Accepts HDMI computer and video resolutions up to 1080p/60 and 1920x1200
- USB streaming video output with MJPEG compression
- Microphone input with 48 volt phantom power
- Front panel LED indicators for HDMI and USB signal status
- SMPTE input overscan
- User-selectable HDCP authorization
- HDCP Visual Confirmation provides a green signal when encrypted content is sent to a non-compliant destination
- EDID Minder® automatically manages EDID communication between connected devices
- Aspect ratio control
- Internal video test patterns for calibration and setup
- Pink noise generator selectable for all audio outputs
- EQ and compression on all inputs
- EQ and limiter on USB and line outputs
- Mic and USB audio ducking
- User-definable DSP audio presets allow quick recall of commonly used configurations
- Ethernet monitoring and control
- RS-232 control port
- Built-in Web pages
- Easy setup and commissioning with Extron's PCS - Product Configuration Software

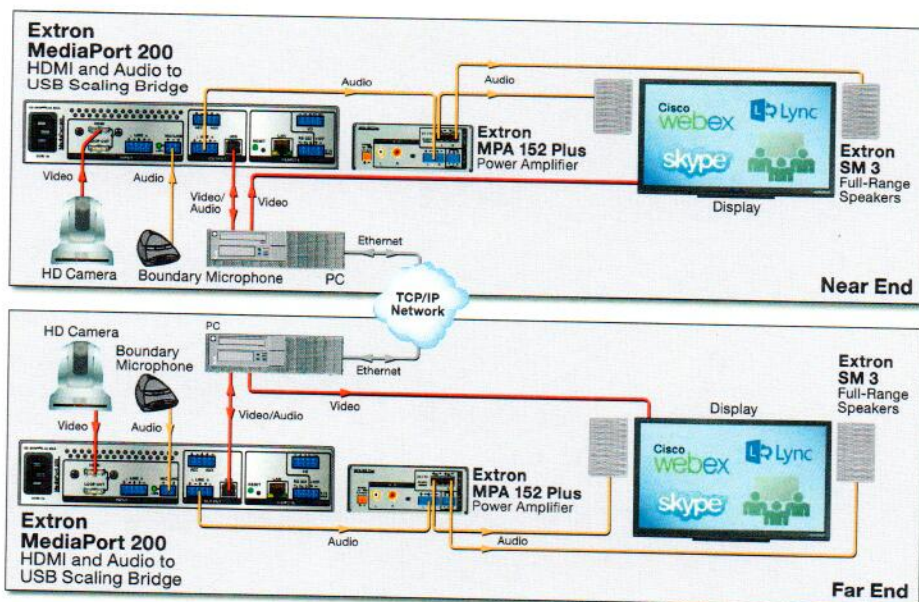


Works with these and other conferencing applications:



NOW SHIPPING

Model	Version Description	Part Number
MediaPort 200	HDMI and Audio to USB Scaling Bridge.....	60-1488-01



ARCHITECTURAL CONNECTIVITY

Retractor Series/2 and Retractor Series/2 XL Mini DisplayPort to DisplayPort, and Lenovo DC Cable Retraction System with Speed Control for Cable Cubby Enclosures

Extron Retractor Series/2 Mini DisplayPort to DisplayPort and Lenovo DC are patented, variable-speed cable retraction and management systems designed to work with AVEdge 100 and Cable Cubby Series/2 cable access enclosures, and the TMK 120 R Table Mount Kit. Mini DisplayPort to DisplayPort modules offer connectivity at the user end for Mini DisplayPort-enabled devices, and DisplayPort connectivity beneath the table. Lenovo DC modules extend DC power to Lenovo-style laptop computers. Retractors are also available for other laptop models; see the DC Retractor compatibility guide. Retractor Series/2 cables extend up to three feet (90 cm), and Retractor Series/2 XL – Extended Length models support cable extension up to five feet (152 cm).

FEATURES

- Mini DisplayPort to DisplayPort modules offer connectivity at the user end for Mini DisplayPort-enabled devices, and DisplayPort connectivity beneath the table, part #70-1065-18.
- Lenovo DC modules extend DC power to Lenovo-style laptop computers, part #70-1065-09.
- Convenient, easy to install cable retraction system for AVEdge 100 Edge Mount enclosures, Cable Cubby cable access enclosures, and the TMK 120 R Table Mount Kit
- Retractor Series/2 cables support cable extension up to three feet (90 cm)
- Retractor Series/2 XL – Extended Length models support cable extension up to five feet (152 cm)
- Precise variable-speed cable retraction control provides more than 50 steps of adjustment between 1.5 and 4.0 seconds
- Engineered for long life and reliability, and tested to exceed 7,500 cable extension and retraction cycles



Retractor Series/2 Mini DisplayPort



Retractor Series/2 Lenovo DC

NOW SHIPPING

Model

Version Description

Part Number

Retractor Series/2 Mini DisplayPort-DisplayPort
Retractor Series/2 XL Mini DisplayPort-DisplayPort
Retractor Series/2 Lenovo DC
Retractor Series/2 XL Lenovo DC

Mini DP to DP; 3 feet (90 cm) 70-1065-18
Mini DP to DP; 5 feet (152 cm) 70-1066-18
Lenovo DC Power; 3 feet (90 cm)..... 70-1065-09
Lenovo DC Power; 5 feet (152 cm) ... 70-1066-09

CCB 30

Three-Button Contact Closure Remote for Cable Cubby Series/2 and AVEdge Enclosures

The CCB 30 is a three-button contact closure remote control panel that mounts in Cable Cubby 700 and AVEdge 100 enclosures. The CCB 30 provides control of input selection on Extron switchers and control products with contact closure control ports. Three brushed stainless steel pushbutton switches feature a raised surface for ease of access and tactile feedback. LED rings around the switches light for visual feedback. For ease of switch function identification, custom laser-etched faceplate labeling is available. The CCB 30 includes a mounting bracket and other installation hardware.

FEATURES

- Mounts in Cable Cubby 700 and AVEdge 100 cable access enclosures
- Three-button contact closure remote control panel for Extron switchers or control modules with contact closure ports
- Switches provide momentary operation for input selection, volume adjustment, or other functions
- Raised pushbutton switches allow the user to press with ease
- LED ring lights for visual feedback of switch status



NOW SHIPPING

Model

Version Description

Part Number

CCB 30

Three LED switches, Cable Cubby and AVEdge 70-1124-02

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Extron

ARCHITECTURAL CONNECTIVITY

Cable Cubby 500 CCB

Series/2 Cable Access Enclosure for AV Connectivity, Remote Control, and AC Power

The Cable Cubby 500 CCB is a furniture-mountable cable access enclosure for AV connectivity, AC power, and remote control. Its three-button contact closure panel offers input selection for Extron switchers and control products. The brushed stainless steel pushbuttons are raised for tactile feedback and have illuminated LED rings for visual feedback. The enclosure accommodates one power module and includes mounting brackets for Retractor modules, AV cables, or AAP - Architectural Adapter Plates. The patent-pending design allows easy installation and service of cables and AAPs. For fast installation, an integrated clamp system quickly secures the enclosure without the need for tools. Power modules are available for the US, Europe, and other major world markets. Custom engraving is available for easy identification of switch functions.

FEATURES

- Accommodates one Series/2 AC or AC+USB Power Module, plus three Retractors, four AV cables, or two AAP- Architectural Adapter Plates
- Patent-pending modular design for fast assembly and serviceability
- Retractor, Cable Pass-Through, and AAP brackets included
- Cable Cubby 500 CCB features raised buttons that are compatible with Extron switchers and other products with contact closure control ports
- AC Power and AC+USB Power Modules are available for US, Europe, and other major world markets



Cable Cubby 500 CCB shown with optional product

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Model	Version Description	Part Number
Cable Cubby 500 CCB	Black w 3 Buttons-AC Module Not Included.....	70-1125-02

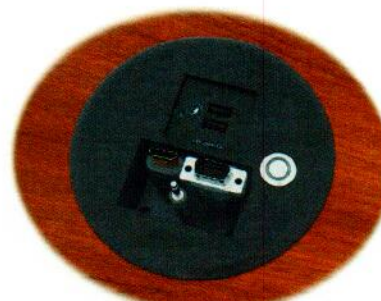
Cable Cubby 100

Series/2 Cable Access Enclosure for AV Connectivity and USB Power

The Cable Cubby® 100 is a compact, round furniture-mountable cable access enclosure for AV connectivity and USB power. It is ideal for applications where a single user access point is required. Installation is fast and simple using a 4" (102 mm) hole saw. The Cable Cubby 100 features two connectivity openings for up to four single-space Mini Architectural Adapter Plates - MAAPs or two single-space MAAPs and three AV cables. Its modular design allows cables and MAAPs to be serviced from the top of the enclosure after installation. The Cable Cubby 100 is also available with two USB power outlets for charging mobile devices. The Cable Cubby 100 Switch Kit is available for "Show Me," push to talk, or mute mic applications. A cover plate conceals mounting screws giving a refined appearance. The Cable Cubby 100 is available in a black finish.

FEATURES

- Accommodates up to four MAAP - Mini Architectural Adapter Plates or three AV cables and two MAAPs; MAAPs and cables sold separately
- Unique, split ring design allows cables to be installed or serviced from the top of the enclosure before or after installation
- Fast installation with standard 4" (102 mm) round hole saw
- Available with USB power for charging mobile devices
- Optional Cable Cubby 100 Single LED Switch Kit PN# 70-1111-02 ring lights for visual feedback



Cable Cubby 100 shown with optional products

NOW SHIPPING

Model	Version Description	Part Number
Cable Cubby 100	Power Module Not Included.....	70-1109-02
Cable Cubby 100	With USB Power.....	60-1592-12
Cable Cubby 100 Switch Kit	Single LED.....	70-1111-02

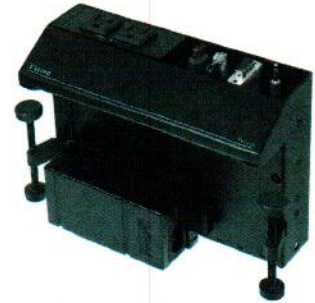
ARCHITECTURAL CONNECTIVITY

AVEdge 100**Edge Mount Enclosure for AV Connectivity, Data, and Power**

The Extron AVEdge™ 100 is a cable access enclosure designed to mount onto the edge of a tabletop surface in semi-permanent installations where cutting the surface is not desirable. An integrated clamp system secures the enclosure to the tabletop surface without the need for tools or additional parts. The AVEdge 100 accommodates two double-space Architectural Adapter Plates - AAPs, Cable Pass-Through Brackets for up to eight AV cables, or three Retractor cable retraction modules. AAP power modules are available to provide USB and/or AC power for mobile devices and laptops. The optional CableCover minimizes cable tangles and accidental disconnects. The Extron ZipClip Series is also available to mount products such as the PS Series Desktop Power Supply directly to the enclosure. The AVEdge 100 is available in a black powder coat finish.

FEATURES

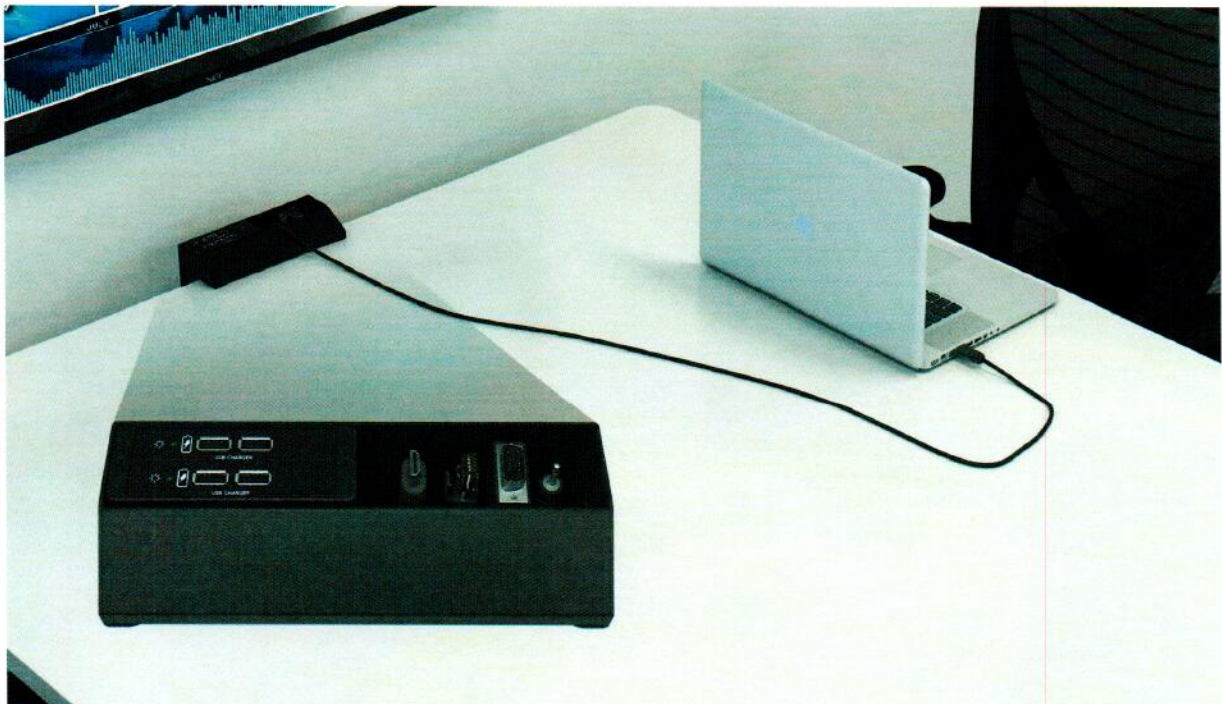
- Attaches to the tabletop surface without cutting
- Ideal for configurable rooms that require semi-permanent AC power and AV connectivity
- Integrated tool-less clamp system
- Accommodates two double-space Architectural Adapter Plates - AAPs, Cable Pass-Through Brackets for up to eight AV cables, or three Retractor cable retraction modules
- Unique, split-ring Cable Pass-Through bracket design allows up to four cables; each
- UL/c-UL listed and CE compliant



AVEdge shown with optional products

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Model	Version Description	Part Number
AVEdge 100	Black, AC Module Not Included	70-1128-02

For updated product availability, go to www.extron.com

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Extron

ARCHITECTURAL CONNECTIVITY

EU 100 Mounting Kit Series

Mounting Kit for EU Modules

The Extron EU 100 Mounting Kit Series is a frame and bracket kit designed to mount in European junction boxes in a one- to four-gang mounting enclosure. EU 100 mounting kits are designed to facilitate integration of Extron EU modules into standard, in-wall, or externally-mounted enclosures and junction boxes. These kits include all required mounting hardware. Each opening holds one EU module. The Mounting Kits are compatible with Extron EU modules, such as the EBP 105 EU eBUS Button Panel. EU 100 Mounting Kits are available in a black or white finish.

FEATURES

- Available in a one- to four-gang frame
- Accommodates one EU module per opening
- Includes the appropriate number of mounting brackets
- Available in black or white



EU 101

Model	Version Description	Part Number
EU 101	1-gang Mounting Kit for EU Junction Boxes - black ..	70-1155-12
EU 101	1-gang Mounting Kit for EU Junction Boxes - white ..	70-1155-13
EU 102	2-gang Mounting Kit for EU Junction Boxes - black ..	70-1155-22
EU 102	2-gang Mounting Kit for EU Junction Boxes - white ..	70-1155-23
EU 103	3-gang Mounting Kit for EU Junction Boxes - black ..	70-1155-32
EU 103	3-gang Mounting Kit for EU Junction Boxes - white ..	70-1155-33
EU 104	4-gang Mounting Kit for EU Junction Boxes - black ..	70-1155-42
EU 104	4-gang Mounting Kit for EU Junction Boxes - white ..	70-1155-43

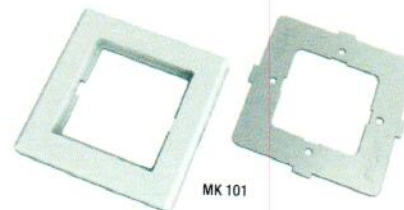
MK 100 Mounting Kit Series

Mounting Kit for MK Modules

The Extron MK 100 Mounting Kit Series is a frame and bracket kit designed to mount MK modules in a one- and two-gang mounting enclosure. MK 100 mounting kits are designed to facilitate integration of MK modules into standard, in-wall, or externally-mounted enclosures and junction boxes. Each opening holds one MK module. The Mounting Kits are compatible with Extron MK modules such as the EBP 105 MK and EBP 106 MK eBUS Button Panel; sold separately. MK 100 mounting kits are available in a white finish.

FEATURES

- Available in a one- and two-gang frames
- Accommodates one MK module per opening
- Compatible with one- to four-gang enclosures
- Mounting hardware included
- Available in white



MK 101

Model	Version Description	Part Number
MK 101	One-gang, white	70-897-13
MK 102	Two-gang, white	70-897-23

Decora 100 Mounting Kit Series

For Decora Modules

The Extron Decora 100 mounting kits are designed to mount decora-style products onto a wall or other flat surface. They are available in black or white and include a wallplate and mud ring.

FEATURES

- Designed to mount in one-, two-, or three-gang Decora style products to a wall or other flat surface
- Includes wallplate and mud ring
- Available in black or white

Model	Version Description	Part Number
Decora 101	One-gang, black	70-1161-12
Decora 101	One-gang, white	70-1161-13
Decora 102	Two-gang, black	70-1161-22
Decora 102	Two-gang, white	70-1161-23
Decora 103	Three-gang, black	70-1161-32
Decora 103	Three-gang, white	70-1161-33



Decora 101

MOUNTING HARDWARE

EWB 212

External Wall Box for EU Modules

The Extron EWB 212 External Wall Box is a mounting solution for Extron EU products. The External Wall Box is designed with sufficient depth to house faceplate wiring as well as take in cable runs from a surface-mounted raceway or rear wall space. It also features four knockouts for external raceway cable channels. The EWB 212 is available in a two-gang size with a durable white finish.

FEATURES

- Designed to house faceplate wiring and take in cable runs from a surface-mounted raceway or rear wall space
- Compatible with EBP 105 EU and EBP 106 EU eBUS™ Button Panel with EU 102 Mounting Kit
- Includes four knockouts for external raceway cable channels
- Available in a EU two-gang size with a durable white finish

Model	Version Description	Part Number
EWB 212	Two-gang, white	70-1131-12



EWB 212 shown with optional products

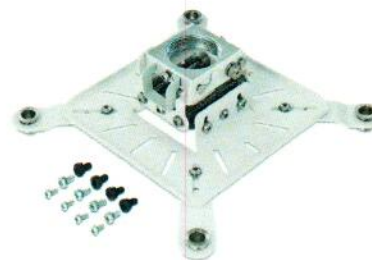
UPB 125

Universal Projector Mounting Bracket

The Extron UPB 125 Universal Projector Mounting Bracket is a compact, easy to install projector mount that is compatible with most projectors up to 15 pounds (6.8 kg) in weight. It simplifies projector mounting by eliminating the need to stock or order proprietary mounts for different brands. The versatile, two-piece UPB 125 features independent adjustment of horizontal tilt, vertical tilt, and rotation, for precise control of each axis and exact projector alignment. Once set, positioning settings can be locked into place and maintained when the projector and attached bracket arm assembly are removed for lamp replacement or filter service. The UPB 125 is available in a durable white powder coat finish.

FEATURES

- Universal projector mount compatible with most projectors up to 15 pounds (6.8 kg) in weight
- Independent adjustment of horizontal tilt or roll, vertical angle or pitch, and rotation or yaw
- Precise positioning adjustments are maintained even if projector is removed for service
- Includes all necessary projector mounting hardware
- Available in white



NOW SHIPPING

Model	Version Description	Part Number
UPB 125	Universal Projector Mounting Bracket - White	70-902-03

SMB 110 Series

Surface Mount Boxes for US-Gang Products

The Extron SMB 110 Series Surface Mount Boxes are designed for the external mounting of US-gang Extron architectural products, including MediaLink® Plus controllers with AAP openings, WPD Decora®-style Wallplates with Pass-through connectors, and other Extron US-gang Decora-style wallplates and AAP - Architectural Adapter Plates. SMB 110 Series Surface Mount Boxes feature an elegant, contoured design that complements any environment, and they can be surface mounted on lecterns, tabletops, and other flat surfaces for convenient access to connectors and controls.

FEATURES

- Accepts standard US-gang size Extron architectural products
- Contoured design complements any environment
- Suitable for tabletop and lectern applications
- Available in a black finish



SMB 112



SMB 114 shown with optional products

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Model	Version Description	Part Number
SMB 111	One-gang, black	70-1097-01
SMB 112	Two-gang, black	70-1097-02
SMB 113	Three-gang, black	70-1097-03
SMB 114	Four-gang, black	70-1097-04
SMB 115	Five-gang, black	70-1097-05

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MOUNTING HARDWARE

WBA 100**Wall and Box Mount Adapter**

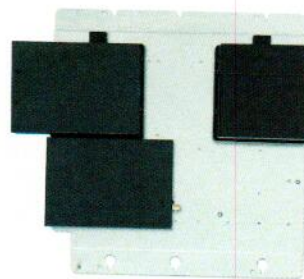
The Extron WBA 100 Wall and Box Adapter is a plate for surface- or box-mounting AV system components. The WBA 100 allows AV equipment to be mounted directly on a surface or within a Chief PAC526 wall box in close proximity to a display, making it ideal for installations with a flat panel display or wall-mounted short throw projector. The WBA 100 has a sturdy one-piece design that offers the flexibility to pre-mount AV equipment in advance, and then field mount it into a wall box or onto a surface. The flexible mounting system holds eighth-rack, quarter-rack, or half-rack width Extron products such as DTP HDMI 4K 330 Rx Extenders, PS Series Desktop Power Supplies, SMD 202 Decoders, and ZipClip 200 products. AV equipment fastens directly onto the plate or using the ZipClip 200 Mounting Kit to easily and quickly remove electronics as needed.

FEATURES

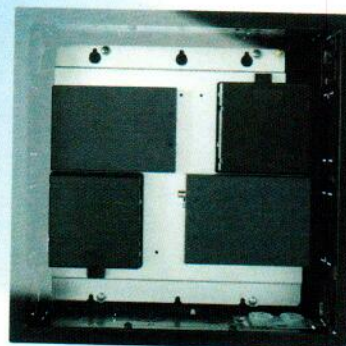
- Securely mounts AV system components to a flat surface or within Chief PAC526 wall box
- Accommodates preconfiguration of AV System components for quick field installation
- Compatible with PS Series Desktop Power Supplies and ZipClip 200 products; sold separately
- Designed for installations with flat panel displays or wall-mounted, short throw projectors
- Large base plate offers a wide variety of mounting and cable management options
- Flexible mounting system holds combinations of eighth-rack, quarter-rack, or half-rack width Extron products



WBA 100

Surface Mount Application
WBA 100 shown with optional products

Model	Version Description	Part Number
WBA 100	Wall and Box Mount Adapter.....	70-1134-01

Wall Box Application
WBA 100 shown mounted in a Chief PAC526 wall box with
Extron DTP HDMI 230 Rx, BUC 202, MPA 401-70V, and PS 1230.

CABLES & ADAPTERS

Cable Collar Kit

Collars in Assorted Colors for Easy Cable Identification

Extron Cable Collar Kits are packages of durable plastic collars in various colors that provide quick identification of cables. Cable Collars keep cables aligned and standing vertically and in easy reach. Cable collars are designed for use with Retractor Series/2 and select Extron cables and are available in packages of five or ten collars. Cable Collar Kits are available in black, red, blue, orange, white, yellow, green, or purple. Cables and Retractor cable retraction modules sold separately.

FEATURES

- Designed for use with select Extron cables and Cable Retraction systems
- Kits available in packages of five or ten
- Provides color coding for easy visual identification
- Keeps cables aligned and standing vertically and within easy reach in Extron Cable Cubby and AVEdge enclosures



Model	Version Description	Part Number
Cable Collar Kit	Black, Qty. 10	70-1067-01
Cable Collar Kit	Red, Qty. 10	70-1067-12
Cable Collar Kit	Blue, Qty. 10	70-1067-13
Cable Collar Kit	Orange, Qty. 10	70-1067-14
Cable Collar Kit	White, Qty. 10	70-1067-16
Cable Collar Kit	Yellow, Qty. 10	70-1067-18
Cable Collar Kit	Green, Qty. 10	70-1067-19
Cable Collar Kit	Purple, Qty. 10	70-1067-20

XTP DTP 24 Series

Precision-terminated Shielded Twisted Pair Cables for XTP Systems and DTP Systems

Extron XTP DTP 24 Series cables are precision-terminated shielded twisted pair cables that optimize signal transmission and facilitate cabling of Extron XTP Systems® and DTP™ Systems. The XTP DTP 24 Series cables, available in Plenum and non-Plenum, are factory-terminated with Extron XTP DTP 24 Plugs and molded strain reliefs. The cables are constructed with Extron XTP DTP 24 bulk cable, which is certified to 475 MHz bandwidth at distances up to 330 feet (100 meters), and has been independently tested and verified to meet performance requirements set by the HDBaseT Alliance.

FEATURES

- Engineered for superior performance with Extron XTP Systems and DTP Systems
- Provides added protection from outside interference and ensures high quality signal transmission
- Certified to 475 MHz bandwidth at distances up to 330 feet (100 m)
- Independently tested and verified to meet performance requirements set by HDBaseT Alliance
- Engineered and tested to exceed HDMI error rate specifications of less than one pixel per billion at 100 meters



XTP DTP 24 Series - Non-Plenum



XTP DTP 24 Series - Plenum

Model	Version Description	Part Number
Non-Plenum		
XTP DTP 24/3	3' (90 cm)	26-702-03
XTP DTP 24/6	6' (1.8 m)	26-702-06
XTP DTP 24/9	9' (2.7 m)	26-702-09
XTP DTP 24/12	12' (3.6 m)	26-702-12
XTP DTP 24/25	25' (7.6 m)	26-702-25
XTP DTP 24/35	35' (10.6 m)	26-702-35
XTP DTP 24/50	50' (15.2 m)	26-702-50
XTP DTP 24/75	75' (22.8 m)	26-702-75
XTP DTP 24/100	100' (30.4 m)	26-702-100

Model	Version Description	Part Number
Plenum-Rated		
XTP DTP 24P/3	3' (90 cm)	26-695-03
XTP DTP 24P/6	6' (1.8 m)	26-695-06
XTP DTP 24P/9	9' (2.7 m)	26-695-09
XTP DTP 24P/12	12' (3.6 m)	26-695-12
XTP DTP 24P/25	25' (7.6 m)	26-695-25
XTP DTP 24P/35	35' (10.6 m)	26-695-35
XTP DTP 24P/50	50' (15.2 m)	26-695-50
XTP DTP 24P/75	75' (22.8 m)	26-695-75
XTP DTP 24P/100	100' (30.4 m)	26-695-100

For updated product availability, go to www.extron.com

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TRUE 4K

Selecting the right product for your AV system starts with having the right information. The unfortunate reality is that, beyond making bold claims about supporting 4K or UHD, very few AV product manufacturers make it easy for you to find the crucial information you need to determine if a product meets the needs of your AV system.

It's not enough to claim that a product is "4K Capable", or "4K Certified", or "4K Ready". Unless a manufacturer clearly defines the resolution, frame rate, color sampling, and color bit depth that their product supports, they haven't told you what you need to know – they haven't told you the truth.

At Extron, we believe in providing you ALL the information you need to select the right product for your system. We have always been the manufacturer you could count on for detailed, clear and honest specifications for our products. Extron is maintaining its leadership position by defining what a complete and detailed product specification for 4K video performance MUST include. We call this the Extron True4K™ Specification.

True4K Specification

For every Extron 4K product, you'll be able to clearly identify the four critical parameters you need to know to meet your performance requirements for 4K video:

- Resolution
- Color sampling
- Frame rate
- Color bit depth

Look for the True4K logo at the top of the specifications for any Extron 4K product, followed by a True4K Specification that always includes resolution, frame rate, color sampling, and color bit depth. You'll also see information about the 4K video signal types and the maximum effective 4K data rate supported by the product. Shown below is a True4K Specification for an Extron XTP II CrossPoint matrix switcher.

TRUE 4K SPECIFICATION		
Max 4K Capabilities		
Resolution and Frame Rate	Chroma Sampling	Max Bit Depth per Color
4096 x 2160 at 60 Hz 3840 x 2160 at 60 Hz	4:4:4	16 bit
Frame Rate	24, 25, 30, 50, or 60 fps	
Chroma Sampling	4:4:4, 4:2:2, or 4:2:0	
Color Bit Depth	8, 10, 12, or 16 bits per color	
Backplane Throughput	50 Gbps per input and output	
NOTE: Use our calculator to determine video parameters supported by this data rate.		

New 4K White Paper

To help you better understand the important performance parameters for 4K, we have created a new white paper titled "Hitting the Moving Target of 4K." Inside, you'll find the essential information you need to know about how each of these parameters affects 4K video performance. The paper also offers valuable insight into what's currently in development as 4K technology continues to evolve, so you can begin to consider new AV integration opportunities down the road. You can download a copy of the paper at www.extron.com/4Kpaper.

Extron Training - Designing Systems for 4K and Beyond

Extron Institutes now include new training that provides vital information that AV system designers need to know in order to successfully design 4K video systems that perform reliably and meet customer expectations. Some of the topics include: understanding the four critical 4K video performance parameters and which is most important with different types of source material, using the True4K Specification, how to calculate the required data rate for various applications, plus much more.

4K system design training is available at Extron Institutes worldwide:

LOCATION	DATES
Anaheim, CA	Apr. 18-19; May 4-5; Sept. 29-30; Nov. 7-10; Dec. 12-13
Atlanta, GA	Mar. 7-11;
Chicago, IL	Apr. 11-15
Dallas, TX	Mar. 1-3; Apr. 26-27; Sept. 26-29; Nov. 7-9
Minneapolis, MN	Oct. 24-28
New York, NY	Apr. 6-7; Jun. 21-24; Jun. 27-28; Jun. 29-30; Aug. 1-3; Nov. 1-4
Raleigh, NC	Mar. 8-9; Mar. 14-18; Jun. 13-15; Aug. 26-29; Sept. 19-22; Oct. 18-19; Nov. 29-30; Dec. 12-16
Seattle, WA	May 2-6
Washington DC	Mar. 1-2, Mar. 14-17; May 10-13; Jul. 26-27; Dec. 1-2
Toronto, Canada	Apr. 4-6; Aug. 8-12; Sept. 20-21
Calgary, Canada	Sept. 26-30
Paris, France	May 12-13; May 30-31
Frankfurt am Main, Germany	Mar. 21-22 ; Apr. 25-26; Jun. 6-7; Jun. 20-21; Jun. 27-28
Amersfoort, The Netherlands	Mar. 21-22 ; Apr. 25-26; Jun. 6-7; Jun. 20-21; Jun. 27-28
Moscow, Russia	Mar. 15-16; Apr. 19-20; May 24-25; Jun. 28-29
Stockholm, Sweden	Mar. 2-3; Apr. 5-6; Jun. 8-9
London, United Kingdom	Apr. 18-19 April; May 9-10; Jun. 13-14
Dubai, United Arab Emirates	May 30-31
Johannesburg, South Africa	Jun. 28-29
Modi'in, Israel	Feb. 22-23; Mar. 30-31; Apr. 19-20; May 3-4; Jun. 1-2; Jun. 20-21
Singapore	Mar. 8-9; Apr. 5-6; Oct. 11-12; Nov. 22-23
Jakarta, Indonesia	May 10-11
Kuala Lumpur, Malaysia	Aug. 2-3
Bangkok, Thailand	Aug. 30-31
Macau	Jun. 1-2

Learn More

To find out more about Extron 4K system design training, contact your
Extron S3 Customer Support Representative.



Extron®

Satisfaction Guarantee

As a leading manufacturer in the AV industry, we are committed to engineering and manufacturing our products to the highest standards of quality, performance, and value. From our advanced product design, manufacturing and quality control procedures to our friendly and knowledgeable support teams, our commitment to satisfy you is paramount. In every interaction with Extron, you can be confident you will receive our S3 commitment to Service, Support, and Solutions. For 33 years, our objective has been to ensure that every customer is completely satisfied with every purchase.

To underscore this commitment, we offer our Satisfaction Guarantee. This means we will work diligently to resolve any issue you have with your purchase until you are completely satisfied. Extron employees are prepared to do whatever it takes to make certain that the entire process of doing business with us is a positive and professionally rewarding experience for you.

I'm so confident in our ability to deliver on this pledge that I back it personally. If you are not satisfied with any part of your transaction with Extron, I want to know. Please contact me at president@extron.com. I will personally address any unresolved customer issue. We greatly appreciate your business. It is our intent to keep you as a customer for life.

Andrew C. Edwards

President



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