Introducing Extron WallVault® Systems
Complete A/V Switching and Control Systems for Wall Mounted Short-Throw Projectors and Flat Panel Displays

Recently, many educational institutions have selected wall mounted short-throw projectors or flat panel displays, usually along with interactive white boards, for use in the classroom. There are many benefits to wall mounted projection systems. They are ideal for installations that are tight on space, allow instructors more freedom to interact with the presentation, and avoid some of the expense and headache associated with ceiling mounted projectors. Following on the success of Extron PoleVault® Systems, we recognized the need for a complete A/V switching, amplification, and control solution that securely mounts and conceals key components on the wall. Our new WallVault® Systems fulfill this need in a customizable package that can be ordered using a single part number.

Short-Throw Projectors and Flat Panel Displays Increasing in Popularity
Traditional long-throw projectors are typically mounted on the ceiling in the center of the classroom in order to project images on a screen or on the front wall. Though they may cost an additional $500 to $1,000 or more, many schools are increasingly choosing short-throw projectors that mount on the front wall, just above the projection screen or whiteboard. For some, flat panel LCD displays may also be an attractive option.

Benefits of Short-Throw Projectors
Short throw projectors offer advantages for many classrooms and conference rooms. They allow a large, bright, vibrant, image even though the projector is mounted only a few inches from the screen. Short throw projectors have also become popular due to the fact that wall mounting is simply less expensive since there is no need to run cables or conduit out to the center of the ceiling for A/V and power. For many schools, short-throw projectors that mount on the front wall provide an attractive alternative.

Introducing Extron WallVault® Systems
Extron WallVault® Systems are easy-to-use, network-enabled, all-inclusive A/V switching and control packages, making them ideal for single-display K-12 classrooms. These systems were specifically developed for classrooms with wall mounted short-throw projectors or flat panel displays.

Extron’s Unique Approach to Classroom A/V Systems
Extron WallVault Systems offer the same time and cost-saving benefits as our
popular PoleVault® Systems. Each system includes nearly 20 separate products, yet the entire system is ordered using a single part number. WallVault Systems include all the necessary audio and video switching, audio amplification, system control, source connectivity, speakers, and cabling for a complete classroom A/V solution. All that remains is to add the video projector or flat panel display, and video sources.

**Simplifies Installation While Saving on Space**
In typical classroom A/V systems, audio and video switching and amplification devices are mounted in a lectern or on a shelf or desktop. Too often, the equipment is unsecured, unsightly cables are visible, and valuable floor space is used. WallVault Systems securely mount the key products on the wall, so no equipment rack or tabletop space is required and cables are hidden away. Installation is further simplified through the use of CAT 5 twisted pair cable and A/V input wallplates.

Extron WallVault Systems include the USFM 100 Short-Throw Projector Mount and Equipment Enclosure. The USFM 100 provides a single solution for mounting the projector along with a complete range of A/V system components required for interactive teaching environments.

**Extron Patent-Pending**
**FF 120 Flat Field® Speakers**
Extron’s patent-pending FF 120 Flat Field speakers redirect radiated sound waves to better equalize sound pressure levels across the listening area. With the combination of Flat Field Technology and wide dispersion area, only two FF 120 speakers are required in a standard classroom, as opposed to four or more traditional ceiling speakers.

**Easy To Control**
The MLC 104 IP Plus MediaLink® Controller included in standard WallVault Systems is designed to simplify operation of the classroom A/V system. With large, backlit buttons and a simple volume control knob, the controller is almost as easy to use as a light switch. Teachers with little or no training can learn to operate the system in a few minutes.

**VoiceLift® Option for Classroom Sound Field**
The Extron VoiceLift® Microphone is an infrared wireless microphone system that integrates seamlessly into new or existing Extron WallVault and PoleVault installations. The VoiceLift Microphone enables the creation of a “sound field” that allows a teacher’s voice to be heard clearly throughout the classroom.

**Support for HDMI Digital Video Sources**
WallVault Systems include options for accepting input signals from HDMI digital video sources, such as laptops, document cameras and Blu-ray Disc™.
Introducing Extron WallVault™ Systems — continued

players. The optional HDMI input enables direct connection of high definition video sources and provides support for future technologies.

WallVault System Configurator
The WallVault System Configurator is an online, drag-and-drop configuration utility that allows users to design WallVault systems that meet their specific requirements. The WallVault System Configurator is accessible through the Extron Web site. Its dynamic, graphical user interface makes system customization easy. Helpful wizards ensure that only valid systems are built and vital accessories are included.

Starting with a standard two-input WallVault System, users can customize a variety of options, including A/V inputs, speakers, MediaLink controller, cables and colors. Users can also print or save an equipment list and submit a request for quote to an Extron Customer Support Representative. Best of all, the WallVault System Configurator is available 24 hours a day, seven days a week, free-of-charge.

GlobalViewer® Enterprise
The controller offered with standard WallVault Systems features Extron’s IP Link®, a network integration technology we specifically engineered to meet the needs of professional A/V environments — from small K-12 classrooms to university and business applications. The IP Link-enabled MediaLink Controller combined with the free GlobalViewer web application provides a powerful and flexible way to remotely monitor, schedule, and control A/V equipment over a network.

Loss prevention with theft alerts: WallVault System room controllers are always on and routinely poll their attached devices for status information. If any projector is physically disconnected from the network, the WallVault System monitoring its status will know immediately. In such an event, it can send an e-mail message notifying security personnel of the possible theft. For fast action, e-mails can be sent to multiple addresses as well as cell phones and wireless PDAs.

Reduced projector lamp and power costs: A projector that is left on over the weekend uses more power and lamp time than a week’s worth of typical classroom use. Projector lamps are relatively expensive, ranging from $200 to $400 or more. An administrator may want to turn off all projectors every day at a preset time or schedule the controller’s front panel to prevent any unauthorized use after hours. With the controller’s internal clock and the free Extron software, these and many other automated tasks are easy to set up.

Accessible from anywhere: GlobalViewer Web pages stored on the MediaLink Controller can be viewed using Internet Explorer® version 6.0 or higher from any computer with access to the network. GlobalViewer can also store and display information about connected devices like serial numbers, owner identification, maintenance history, and installed firmware versions. This centralized data can be collected and used to reduce maintenance costs and guide future purchasing decisions.

Rapid problem resolution: You can troubleshoot WallVault Systems remotely, thanks to the real-time status of connected devices provided through the free GlobalViewer Web application. Information such as connection status, power state, and current source selection is displayed by GlobalViewer. With it, technicians can control system power, switch sources, adjust volume, and more without leaving their office. Many common problems can be resolved without a trip to the classroom.

Avoid surprises through preventative maintenance: Projector lamps generally have a lifespan of around 2500 hours of usage. It can be very frustrating when a lamp reaches the end of its lifespan in the middle of a presentation. The networked WallVault System controller keeps track of the projector’s lamp usage and, thanks to the controller’s e-mail capabilities, it can be configured to send an e-mail when a predetermined number of lamp hours have been reached. This will alert an administrator or technician to replace the lamp before it burns out.

New GlobalViewer® Campus Communication Suite
This 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 our existing network and combines A/V system management with public address announcements, bells, intercom, security, and more. Call your Extron education support representative at 800-633-9876 to learn more.