The explosive demand for A/V technology in corporate and educational environs demands a fundamental change from the current providers of this technology. The days of custom designs, custom integration, and custom "one-off" programming will soon be a thing of the past.

There is also an immediate need for A/V solutions that are rapidly deployable, scalable in mass, cost-effective, and IT-supported. These must also feature consistent and intuitive user-interfaces while simultaneously supporting a number of common but distinct use-cases.

TEKVOX "Drop-In" solutions are the perfect match for solving both of these problems. Drop-Ins are effectively "room solutions in a box" that take away all the headache from operating and maintaining A/V-managed rooms

The Benefits of Drop-Ins:

Rapidly deployable: Drop-Ins are pre-configured, pre-integrated, and pre-programmed at the TEKVOX factory. Installation and bring-up in a pre-wired room can be done within minutes.

Scalable in mass: Drop-Ins are flexible but standard products that can be deployed in single or thousands of units with high repeatability. Further, a Drop-In is ordered as a single part number which removes the hassle of putting together many different part numbers.

Cost-effective: Standardization reduces production costs and minimizes the hidden costs of custom integration and programming. Standardization also greatly reduces long-term support and maintenance costs.

IT-supported: All Drop-Ins feature TekPatrol™ IT management right out of the box and are compatible with TekEnterprise, a modular, scalable enterprise management system that allows an entire campus-wide A/V system to be addressed as a programmable platform.
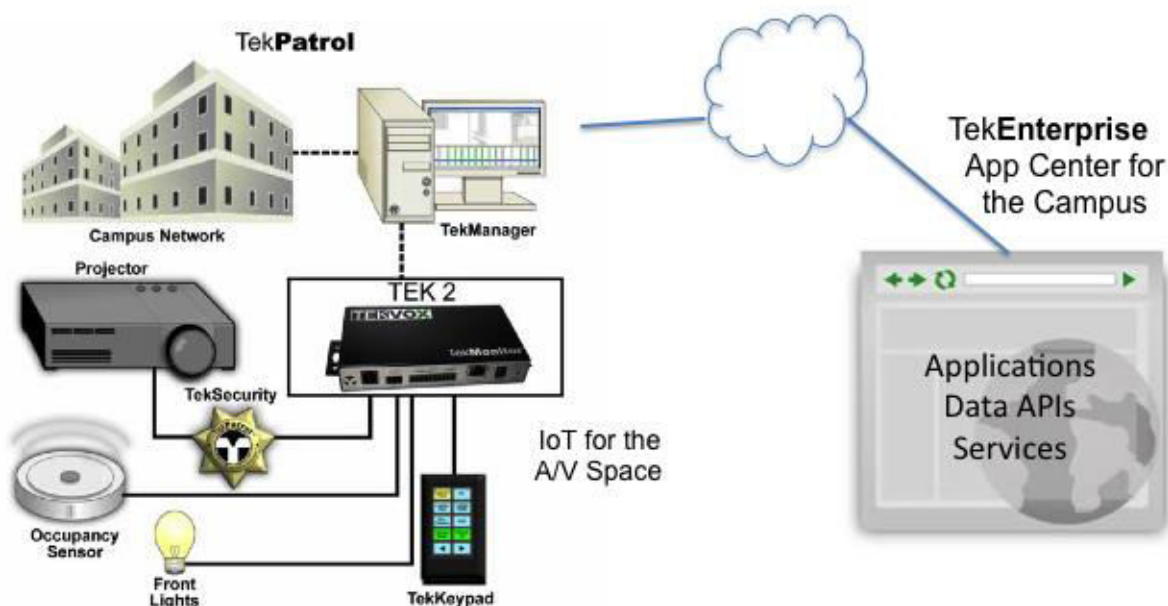
Consistent, intuitive user-interfaces: Standardization allows for unparalleled commonality of user interface across room types, campuses, and older generations of equipment.

Serving common but distinct use-cases: Standard Drop-Ins are available for single-projection rooms, dual projection rooms, room-combining applications, and collaboration table configurations. The majority of needs can be met with completely standard products white minor customizations can cover less usual scenarios.

TekPatrol, Drop-Ins, and TekEnterprise are currently used in thousands of classrooms and conferences rooms today, providing significant financial benefits to users in the form of reduced cost for acquisition, installation, and operation, as well as long-term benefits in extendibility and scalability.

TekPatrol

TekPatrol is an IT-automation solution for A/V-equipped rooms that can be retrofitted onto existing equipment or installed with new gear to automate support and system management. A *TekMonitor*™ networked sensor/control hub installs into each A/V-equipped room and connects to the room's sensors, controls, and A/V gear. The "TEK2" TekMonitor autonomously manages the room, ensuring that equipment is secure, operating properly, and is powered off when not in use. TekMonitors regularly report to a PC-based *TekManager* which provides IT staff with a real-time view of all rooms across a campus including bulb and filter health, maintenance needs, and usage statistics. *TekEnterprise™* optionally overlays TekPatrol with a modular Enterprise Management System where applications are hosted. Current applications include asset tracking, room scheduling, automated service ticket generation, power savings reporting, analytics, remote room control, and BYOD provisioning with new capabilities constantly in development.

TEKVOX TekPatrol IT Solution for A/V

TekPatrol is compatible with all major A/V suppliers and many makes and models of projectors and flat panel displays. Starting from the first day of installation, customers will enjoy:

- Immediate and significant savings in operating costs based on reduced power consumption, increased bulb life and elimination of asset theft. TekPatrol even provides detailed reports on actual operational power savings. TEKVOX's ROI calculator is a well-vetted tool to explore the money-saving potential of TekPatrol.
- Increased staff efficiency. Customers routinely report that support staff can effectively cover four times as many A/V equipped rooms with TekPatrol than without. Since technology budgets rarely include staffing increases, the benefit can be dramatic.
- Higher up-time and customer satisfaction based on predictive maintenance and instant remote support when needed.

- Multi-vendor support. TekPatrol supports TEVKOX, Crestron, AMX, and Extron A/V equipment as well as a plethora of projector and flat panel makes and models. No other solution in the industry is as universal.

- Mix and match capabilities. TekPatrol can be retrofitted into existing A/V gear while simultaneously and seamlessly mating with new gear to enhance existing investments while allowing for incremental installation of new technologies.

A full TekPatrol solution with an MSRP of $688.20, including all necessary controls and sensors has an estimated payback time of less than three years. Check your own ROI at TEKVOX.com.

TEKVOX DROP-IN™ Solutions

TEKVOX introduces the Drop-In™ solutions for mediated classrooms and training rooms. These systems are fully configured from TEKVOX and require no specialized software. There are four types of solutions and include systems for Standard, Dual Projection, Room Combining, and Collaboration classrooms. TEKVOX will customize some of the user interface using the school or company logo. Other specialized programming can be requested as a fee for service.

These systems are typically a fraction of the cost of other manufacturer's systems once you add the custom software. State-of-the-art functionality is incorporated into the systems including remote administrative management, control, and automatic system shutdown using an occupancy sensor. By using the free TekManager software or the licensed TekEnterprise software, an administrator can visually see all of the rooms and generate usage reports. A new feature of TekEnterprise allows instructors or students to request smartphone control of a room by a schedule. If granted, they will receive an email with a control link for the room before the start time of the schedule. Once the schedule expires, they will no longer have control.

What is a Drop-In?

A Drop-In is a fully configured system and is ordered using a single part number. A Drop-In includes a TEKVOX TEK CB1-A ceiling box for each projector with a TekMonitor and HDBaseT receiver mounted, wired and configured inside it. The ceiling box fits in a 2x2 or 4x2 ceiling tile next to the projector and supplies an easily accessible location for power, equipment and cables connections below the ceiling so you do not need to install expensive plenum cables. The TekMonitor is the main controller and is used to remotely monitor and control the system. Configuring a TekMonitor is very easy and can be done without having any programming experience. Need to change out a projector in the future? No worries, just select a new driver for the projector in the TekMonitor .
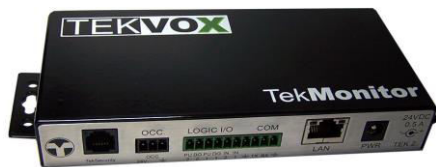
TEKVOX products used in Drop-Ins

TekMonitor Room Controller
Control and monitoring of the systems is performed by the TekMonitor. The TekMonitor is a small networked real-time controller. For more information, see:
www.tekvox.com/downloads/DS-TEK2.pdf

Occupancy Sensors
TEKVOX offers both small and large room occupancy sensor. These sensors are easily connected to a TekMonitor without having to add other interfaces. For more information, see:
www.tekvox.com/downloads/DS-Occupancy.pdf

Small Room   Large Room

TEK Multi-Input Presentation Switch with HdBaseT receiver
Presentation switcher scaler with 4 HDMI, 4 VGA, 2 Video, 1 Component, and 1 S-Video input. Mirrored Outputs include HDMI, VGA abd HDBaseT. For more information, see: **www.tekvox.com/downloads/DS-TEK1201HD.pdf**
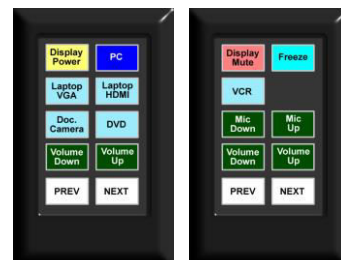
TPHD402R HDBaseT Receiver

TekTouchPad
Easy control with a Logo page and up to 4 programmable pages of buttons.
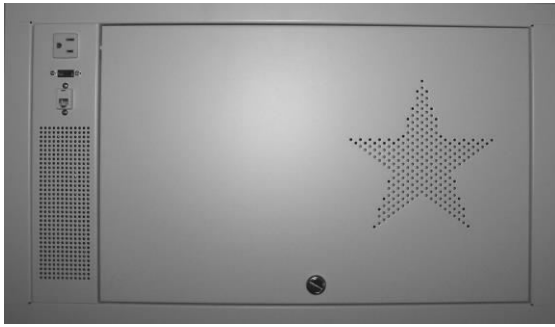For more information, see:
www.tekvox.com/downloads/DS-TekTouchPad.pdf

TEK CB1-A
The ceiling box simplifies and improves system installations. For more information, see:
www.tekvox.com/downloads/DS-TEKCB1-A.pdf

Tek Table Top Cubby
Table Top Cubby for housing-user cables and includes two power connections for laptops.
For more information, see:
www.tekvox.com/downloads/DS-TEKTSC7.pdf

TEK MHD44TP
The TEK MHD44TP is a unique 4x4 HDMI matrix switcher with HDBaseT outputs with EDID & HDCP management.
For more information, see:
www.tekvox.com/downloads/DS-TEKMHD44TP.pdf

TEK-HD41V
To automatically switch between an HDMI and VGA connections for a laptop at the podium, TEKVOX offers theTEK-41HV auto-switcher.
For more information, see:
www.tekvox.com/downloads/DS-TEKHD41V.pdf
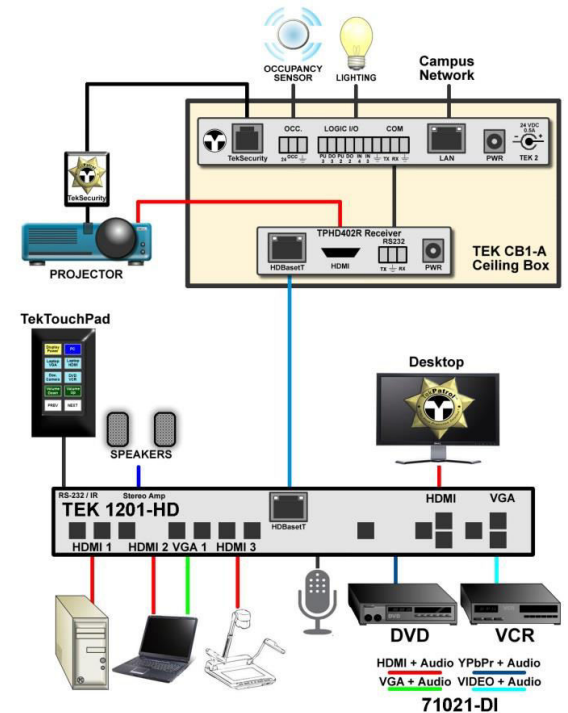
71021-DI Standard Classroom Drop-In

MSRP $3,995 **(comparable cost of other manufacturer's equipment including software: $9,441)**

For the Standard Classroom, a unique presentation switcher is used called the Multi-Input Presentation Switch with HdBaseT receiver. This presentation switcher has 4 HDMI, 4 VGA, 2 Video, and 1 Component inputs and has HDMI, HDBaseT, and VGA out. Control information is carried across the HDBaseT cable to the TekMonitor in the ceiling box, allowing for only a single Cat 5e cable to be installed into the ceiling box. For user control, a simple touch screen is used called the TekTouchPad. Typical configuration of the TekTouchPad allows for powering on and off the display, selecting PC, Laptop HDMI and VGA, Document Camera, DVD, VCR, Volume control of sources, Volume control of microphones, Picture Mute, and Picture Freeze. Other options such as lighting control can easily be added.

Included in a Standard Classroom 71021-DI

Part #	Description	Qty.
70001	TekMonitor Room Controller	1
10030	TekMonitor Power Supply	1
78001	TekSecurity With 4' RJ12 Cable	1
*78006	TekSecurity Cable for projector	1
78002	SR Occupancy Sensor	1
78038	Tek CB1-A Ceiling Box	1
78036	Tek Table Top Cubby	1
79033	Multi-Input Presentation Switch	1
78034	TekTouchPad	1
78035	TekTouchPad Wedge	1
	TEKVOX Single-Client Perpetual License	1

*TekSecurity cables are ordered for the different types of displays.

71022-DI-IPAD-A Dual Projection Classroom

MSRP $10,395 **(comparable cost of other manufacturer's equipment including software: $14,976)**

Instructors enjoy the ability to display different content on two projectors or have two interactive white boards in the classroom for students to work on. These systems are typically very expensive and depending on the programmer, can be difficult to operate. The TEKVOX Dual Projection Drop-In solution solves these issues by offering a complete solution at an affordable price. A user-friendly touchscreen graphic is provided via an iPad to make the instructor's experience as easy as possible. The system can be remotely monitored and controlled by an administrator. If a combo deck is required, it is best to find one with an HDMI up-converter output. If a combo deck is used with video and component outputs, you must use the 71022-DI-IPAD with Multi-Input Presentation Switch with HdBaseT receiver to convert and switch the inputs. Modifications to the program include adding a logo and color changes. Other modifications may require fee for service.

Note: The iPad is not supplied by TEKVOX.

Included in a Dual Projection 71022-DI-IPAD-A:

Part #	Description	Qty.
70001	TekMonitor Room Controller	2
10030	TekMonitor Power Supply	2
78001	TekSecurity With 4' RJ12 Cable	2
*78006	TekSecurity Cable Projector Cable	2
78002	SR Occupancy Sensor	1
78038	Tek CB1-A Ceiling Box	2
78036	Tek Table Top Cubby	1
79055	Tek MHD44TP 4x4 HDBaseT Matrix	1
79056	Tek HD41V HDNI / VGA Auto-Switch	1
79040	Tek HDBaseT TX/RX	2
78040	Tek PA2B Mini Amp + Audio Cable	1
Custom	Dual Projection Controller Plus Software	1
Custom	iPad Software	1
	TEKVOX Single-Client Perpetual License	1

*TekSecurity cables are ordered for the different types of displays.

Room Combining

Room combining allows two or more rooms to become one large room. There are two methods to provide room combining. One method is low cost and allows only two rooms to be combined, but the second and preferred method allows combining up to our rooms. The low cost method is generally known as a Master/Expansion combining room, where the Expansion room can only operate when separated.

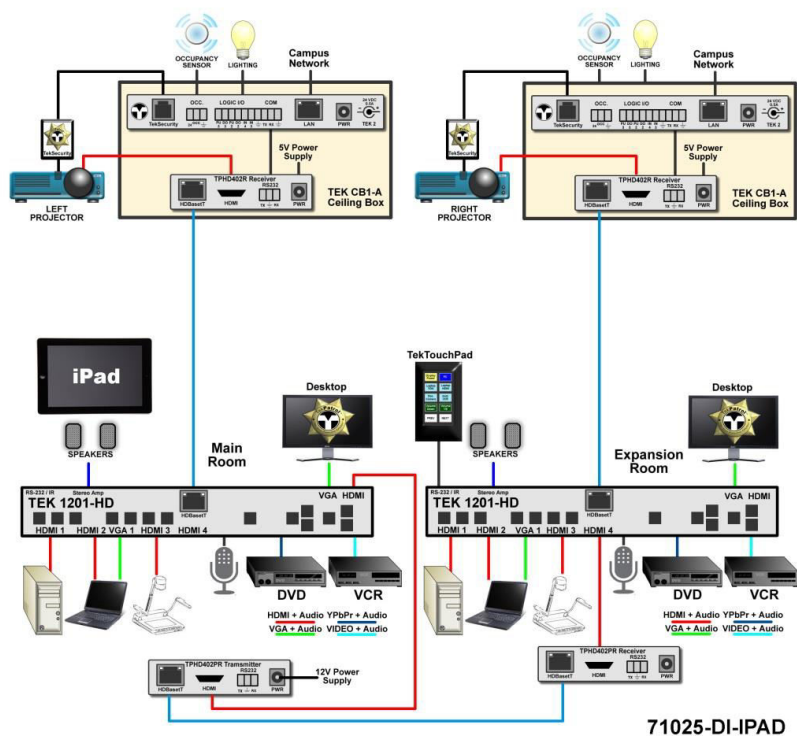## 71025-DI-IPAD Master/Expansion Room Combining Classroom
MSRP: $9,250 (Comparable cost of other manufacturer's equipment including software: $20,400)

The 71025-DI-IPAD is Master/Expansion combining room design in which the Master room is combined with the Expansion room by connecting the two rooms together. This is done by sending HDMI from the Master room to the fourth HDMI input on the Expansion room's Multi-Input Presentation Switch with HdBaseT receiver. The main control for these rooms is the iPad in the Master that communicates to the TekMonitors in both rooms. The Expansion room is merely a standard classroom with TekTouchPad. When rooms are combined, the Master room's iPad sends a command to the Expansion room to power on its projector and select the fourth HDMI input and set its audio level to 100% on the Multi-Input Presentation Switch with HdBaseT receiver.

Included in a Standard Classroom 71025-DI-IPAD

Part #	Description	Qty.
70001	TekMonitor Room Controller	2
10030	TekMonitor Power Supply	2
78001	TekSecurity With 4' RJ12 Cable	2
*78006	TekSecurity Cable for projector	2
78002	SR Occupancy Sensor	2
78038	Tek CB1-A Ceiling Box	2
78036	Tek Table Top Cubby	2
79033	Multi-Input Presentation Switch with HdBaseT receiver	2
78034	TekTouchPad	1
78035	TekTouchPad Wedge	1
79040-S	Tek HDBaseT TX/RX	1
Custom	iPad Software	1
	TEKVOX Single-Client Perpetual License	1

*TekSecurity cables are ordered for the different types of displays.

71025-DI-IPAD

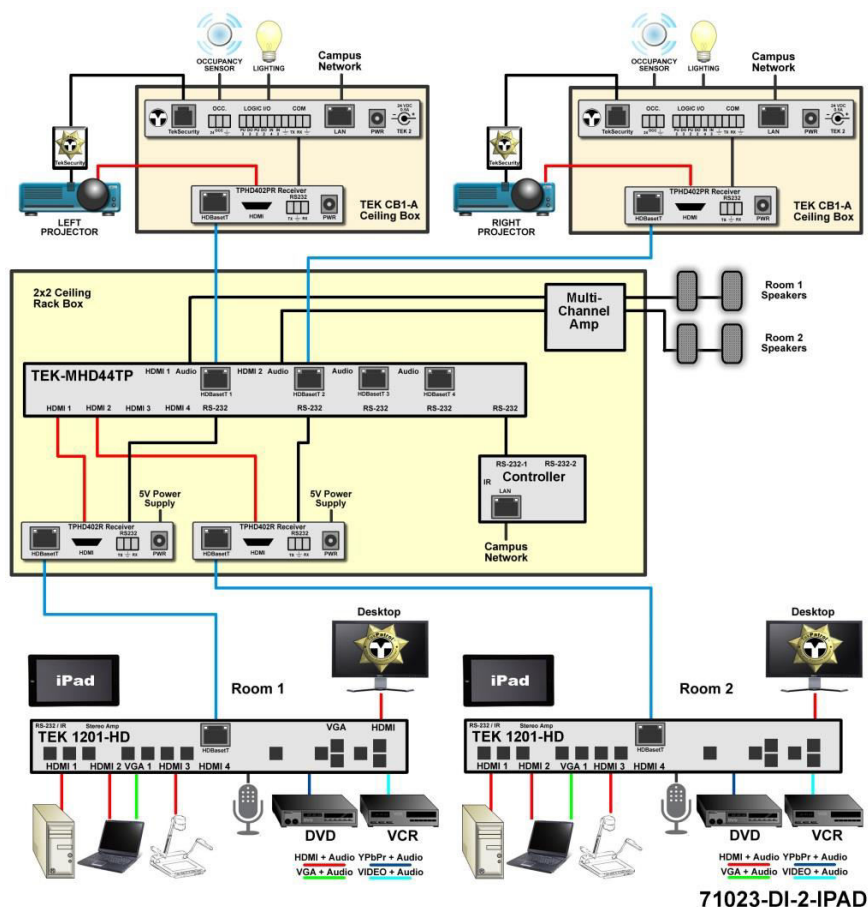# 71023-DI-2-IPAD Dual Room Combining Drop-In with iPad Control

MSRP: $14,995 (Comparable cost of other manufacturer's equipment including software: $28,782)

The perfered method of room combining allows for up to four rooms to be combined. To order two complete rooms, use the DI-2 for 2 rooms and use the DI-4 for 4 rooms. Adding another room is essentially the cost of a standard room with iPad controller. Each room consists of a Multi-Input Presentation Switch with HdBaseT receiver with iPad Controller and is connected to a TEK MHD44TP 4x4 HDBaseT matrix. When separated, all rooms are routed to their own projector. When combined, the initiating room is routed to all other rooms. The TEK MHD44TP can be mounted in a small rack or in a 2x2 ceiling box rack such as the FSR CB-224. Much like all Drop-in rooms, ceiling boxes are used for easy installation and maintenance.

The following is included in a Standard Classroom 71023-DI-2-IPAD:
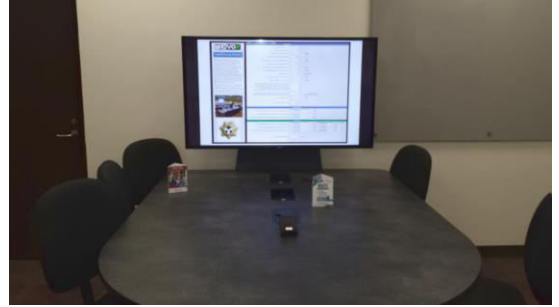
Part #	Description	Qty.
70001	TekMonitor Room Controller	2
10030	TekMonitor Power Supply	2
78001	TekSecurity With 4' RJ12 Cable	2
*78006	TekSecurity Cable for projector	2
78002	SR Occupancy Sensor	2
78038	Tek CB1-A Ceiling Box	2
78036	Tek Table Top Cubby	2
79033	Multi-Input Presentation Switch with HdBaseT receiver	2
79040	Tek HDBaseT TX/RX	2
Custom	Tek Room Combining Controller	1
Custom	iPad Software	2
	TEKVOX Single-Client Perpetual License	1

*TekSecurity cables are ordered for the different types of displays.

71023-DI-2-IPAD

Collaboration Stations

TEKVOX offers Student Collaboration Station Drop-Ins for tables such as the Spectrum InVision Collaboration Table. TEKVOX has Drop-In products supporting both HD and 4K displays as well as mixed-technology applications with both HD and 4K displays. These systems allow multiple connections for both HDMI and VGA located in tabletop cable flip-tops. Students can select who is seen on the large screen display using a simple touchscreen user interface. For easy selection, each cable is color-coded to match a button on the touchscreen.

The Collaboration Station HD is similar to a Standard Classroom system using a Multi-Input Presentation Switch with HdBaseT receiver and TekMonitor Room Controller. Each table is called a Student Pod and can be used as standalone or in groups. When placed in groups, Student Pods are connected to an HDBaseT matrix where an instructor can either push content to the students or select a pod to push to all of the other students. The Collaboration Station 4K / 4xHD employs the TEK Multi-View switcher/scaler to display stunning 4K content or to simultaneously display up to 4 full HD video streams.

71024-LG Collaboration Station HD
MSRP: $3,995 (comparable cost of other manufacturer's equipment including software: $8,800)

With the TEKVOX Student Pod, students can collaborate on their own by just selecting a source button on the touchscreen that matches the color of the cable they are using. The first time a source is selected, it powers on the display and starts a resettable shutdown timer for one hour. The shutdown timer will be restarted whenever a student presses a button. The second page of the touchscreen has controls to power off the display and volume control.

The following are included in a Standard Classroom 71024-LG:

Part #	Description	Qty.
70001	TekMonitor Room Controller	1
10030	TekMonitor Power Supply	1
78001	TekSecurity With 2' RJ12 Cable	1
*78008	TekSecurity Cable for projector	1
78036	Tek Table Top Cubby	2
79033	Multi-Input Presentation Switch with HdBaseT receiver	1
78034	TekTouchPad	1
78035	TekTouchPad Wedge	1
	TEKVOX Single-Client Perpetual License	1

 *TekSecurity cables are ordered for the different types of displays.
The 78008 is for LG displays.

71028 Collaboration Station 4K / 4xHD

MSRP: $4,750 (comparable cost of other manufacturer's equipment including software: $20,000)

The TEKVOX 4K / 4xHD Collaboration Station is an advanced student collaboration table solution supporting stunning 4K resolution displays. Up to six students can display their content using HDMI and Display Port on a 4K LED monitor mounted at the end of table. The TEK 4K / 4xHD supports either a single 4K video steam, upscaling of HD to 4K or simultaneous display of multiple HD streams from students in the "Quad Viewer" mode. This station comes fully configured and uses the TEKVOX TekTouchPad to select color-coded cables within two table top-cubbies. A student can select their cable that matches the color and cubby location on the screen from the TekTouchPad. Once a source is selected, the system will power the display for one hour. Whenever someone presses a button on the TekTouchPad, the shutdown timer will restart and add another hour to the timer.

This system can operate standalone or within a classroom with multiple student pods. See the TEKVOX Collaboration Classroom document for more information at the link below:
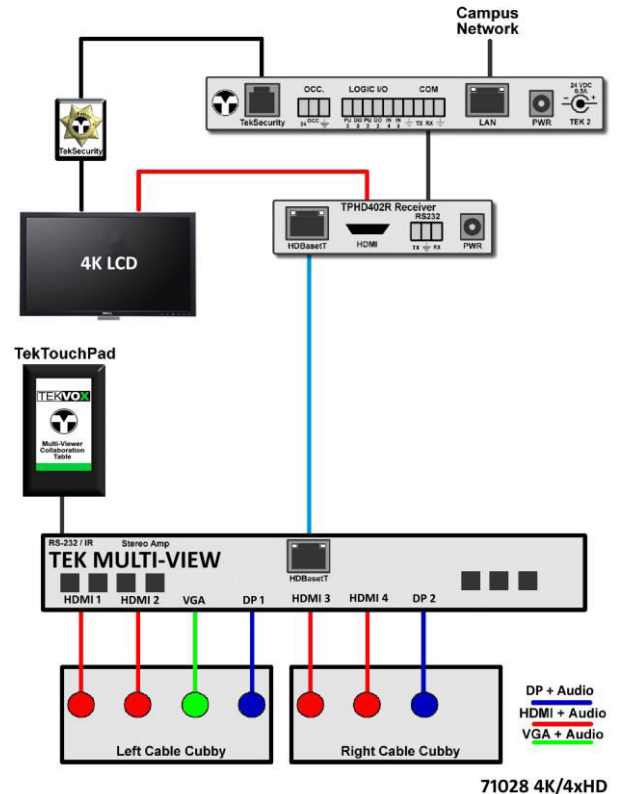www.tekvox.com/downloads/TEKVOX_CollaborationClassroom.pdf

The TEK CP4KPODTP includes the following:

70001	TekMonitor Room Controller	1
10030	TekMonitor Power Supply	1
78001	TekSecurity	1
78008	TekSecurity Cable	1
79033	Multi-Input Presentation Switch with HdBaseT receiver	1
78034	TekTouchPad	1
78035	TekTouchPad Wedge	1
78036	Tek Table Top Cubby	2
Custom 30' Cat5e cable		1
	TEKVOX Single-Client Perpetual License	1

Benefits

- Easy to install
- Easy to operate
- Fully operational from TEKVOX
- No programming required
- Works with any monitor using RS-232 control
- Allows student connections for both 4k HDMI and VGA

71028 4K/4xHD