

Share ideas and collaborate infinitely

ATEN Video Presentation Switches



Content

1 — Why Choose ATEN Presentation Switches?

3 — ATEN Presentation Switches

PresentON™ Series

All-in-One Series

Collaborative Series

Core Series

5 — Presentation Switches for Corporate Applications

Huddle Space

Hybrid Small Meeting Room

Conference Room

11 — Presentation Switches for Education Applications

Hybrid Learning

PBL Classroom (1)

PBL Classroom (2)

Lecture Hall

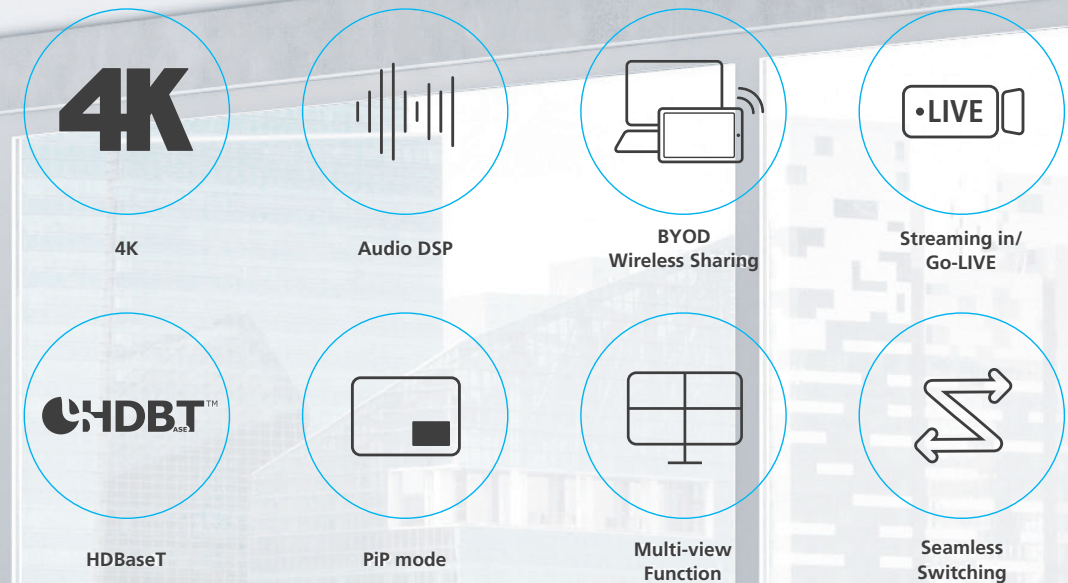
19 — Find Your Presentation Switch

Why Choose ATEN Presentation Switches?

ATEN multi-in-one presentations switches are tailor-made with unique features to satisfy application demands from simple presentation source switching to advanced collaboration and remote participation in any corporate or education space. They are available in a variety of configurations with extensive AV transmission, conversion, and processing capabilities, which remove the need for numerous individual components and eliminate compatibility challenges during setup.

This series features user-centric control methods including front-panel pushbuttons with intuitive OSD, Web GUI, a mobile app, and remote pad, as well as IR, RS-232, and Ethernet for control integration that streamlines user operations.

In addition, the ATEN wireless BYOD solution enables anyone, including visitors, to easily share content from any laptop or mobile device so participants can actively collaborate for enhanced, efficient workflows. Get the flexibility, ease-of-use, and control you need for productivity in commercial and educational spaces with ATEN solutions!



Note: The features highlighted above are not available on all products. Please refer to each product page for more details.



PresentON™ Series

VP2020 / 2021



- **BYOD Wireless Sharing Without Limitations**

Wirelessly share BYOD presentation content with ATEN software on PC, mobile apps, and web pages; compatible with AirPlay*, and Google Cast* for unlimited sharing and collaboration.

- **Get Control On Your Side with USB Touch Back**

USB Touch Back can control remote laptops with a mouse or whiteboard, allowing the speaker to take the lead in meetings and be more efficient without having to move about just to access devices.

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AirPlay® is a trademark of Apple Inc., registered in the U.S. and other countries and regions. Google Cast™ is a trademark of Google LLC.

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All-in-One Series

VP3520



- **Presentation Matrix Switch with Smart Control and AV Integration**

Multiple control options such as front-panel pushbuttons, IR, RS-232 and a web-based GUI to enable control over AV devices, with flexible source management via function keys and automatic source detection. Plus, it features audio DSP, amplifier, and HDBaseT™ to deliver near-perfect visual symmetry and sound quality.

- **Seamless Switch™ and 4K Scaler**

Employs an FGPA matrix architecture for continuous video streams, real-time control, and stable signal transmissions, while the 4K scaler converts various input resolutions to various output resolutions, ensuring the best picture quality across two displays.

Collaborative Series

VP2730 / 2120



- **Seamless Switch™ for Ultra Smooth Transitions**

Enables real-time control and zero-delay switching between multiple sources for uninterrupted experiences while transitioning from one presentation source to another.

- **Bi-directional Streaming for Remote Sharing**

Flexibly share presentation content wirelessly via the VP Web GUI and Mobile App with any mobile device from anywhere on the intranet.

Core Series

VP1920 / VP1421 / 1420



- **Compact Solution in One Enclosure with up to True 4K, HDR video quality**

The Core Series features models with up to 4K and True 4K resolutions that support popular HDR formats, delivering more vivid and vibrant video and integrating additional AV processing capabilities, such as HDBaseT connectivity, audio mixing, and microphone support, to minimize your setup efforts and total cost of ownership.

- **Multi-format AV Interface Support**

Provides diverse legacy and modern AV interfaces including HDMI, DisplayPort, VGA, HDBaseT, Component/Composite video with support for Stereo, Coaxial, Toslink, and Optical audio outputs, giving you the connections you need.

Presentation Switches for Corporate Applications

ATEN specializes in providing easy-to-deploy presentation switching solutions for flexible and hybrid workspaces to achieve optimized workflows and improve the core efficiency of business operations.

Huddle Space



Background

The space is suitable for informal meetings or more relaxed discussions. With a capacity of about 4 people, members can casually hold occasional meetings to share information or ideas.

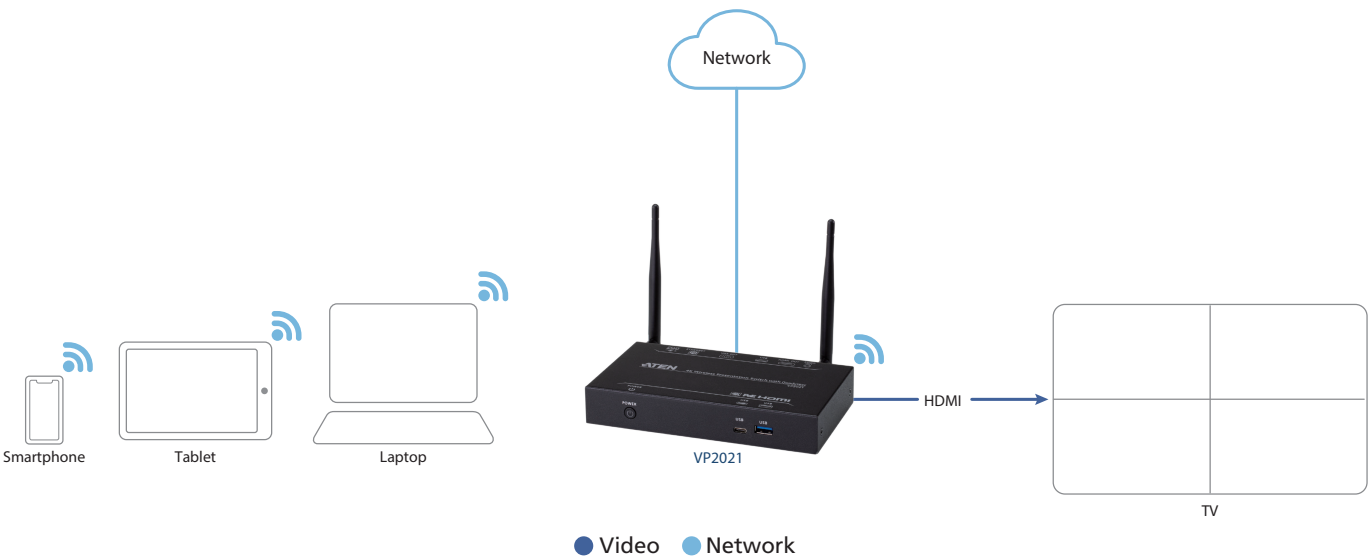
Key Requirements

- ① Participants can directly share regardless of the device they bring.
- ② In case of space limitation or temporary setup, simple devices can be used to share information.

ATEN Solution

- ① VP2021 allows participants to share content wirelessly via personal mobile devices and supports operating systems including iOS, Android, Windows, and MacOS.
- ② With simultaneous multi-view, up to 4 screens can be shared in quad view by VP2021 at the same time to connected participants.
- ③ Screen sharing can also be achieved via an Ethernet cable.

ATEN Solution Diagram



4K Wireless Presentation Switch with Quad View

VP2021



- Multi-view presentation – screen layout is configurable for presentation in full screen / side-by-side / quad view.
- Moderation Mode – the moderator can manage and control team members’ connection status and the AV content being displayed.
- Multiple collaboration tools – annotation, whiteboard on screen, and screen capturing.
- USB touch back – allows for seamless operation of a presentation directly from a connected touchscreen or mouse.

Hybrid Small Meeting Room



Background

The hybrid small-sized meeting room is for 4-6 people, suitable for general, daily communication, video calls, and a diversity of meeting room discussions.

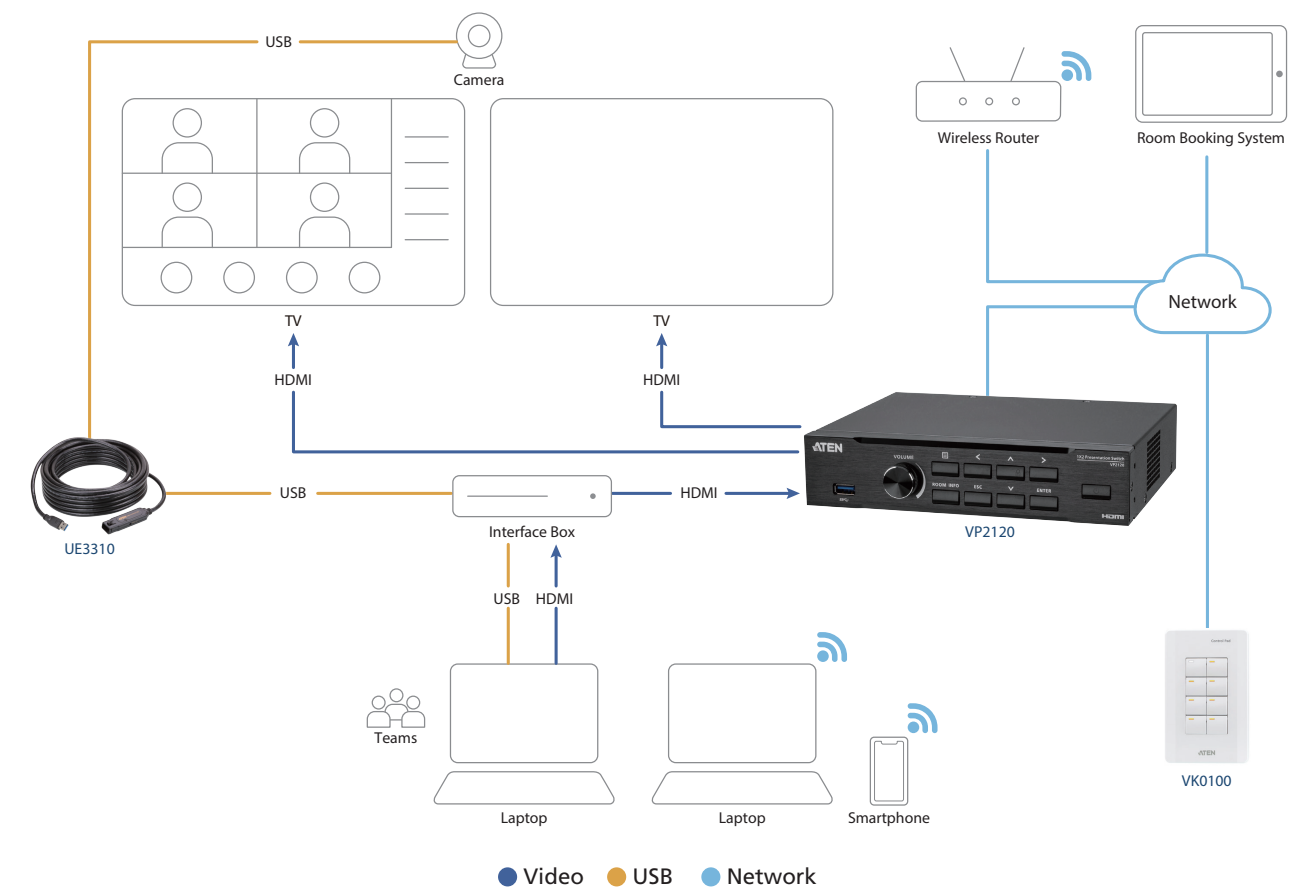
Key Requirements

- ① There may be a need for multi-information projection so multi-view presentation is needed to allow members to get information effectively for discussion.
- ② Participants need to use both wired and wireless connections for sharing without interrupting the discussion by waiting for switching between projection laptops.

ATEN Solution

- ① Multiple content sources can be wirelessly shared in quad view by VP2120 at the same time via browser login or a mobile app connection.
- ② Local presentations can be given using either a wired or a wireless connection.
- ③ Video conferencing can be conducted via BYOD by expanding laptop camera / mic functions in-room over a USB extender.

ATEN Solution Diagram



Seamless Presentation Switch with Quad View Multistreaming

VP2120

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

Innovation Awards
TECHNOLOGY FINALIST 2021

- Supports ATEN Video Presentation Control App for convenient collaboration and meeting presentations control using your mobile device.
- Bi-directional wireless content streaming of up to 4 participants simultaneously with quad-view support.
- Built-in Audio DSP – mixes Mic input and HDMI input for HDMI or audio output.
- Advanced online idea-sharing functions – Whiteboard, Chat Room, File Sharing, Group Broadcasting, and Video Capture.

Conference Room



Background

Bringing together members from different locations and regions for meetings, suitable for cross-team or multinational enterprises, this type of meeting space is increasingly in demand.

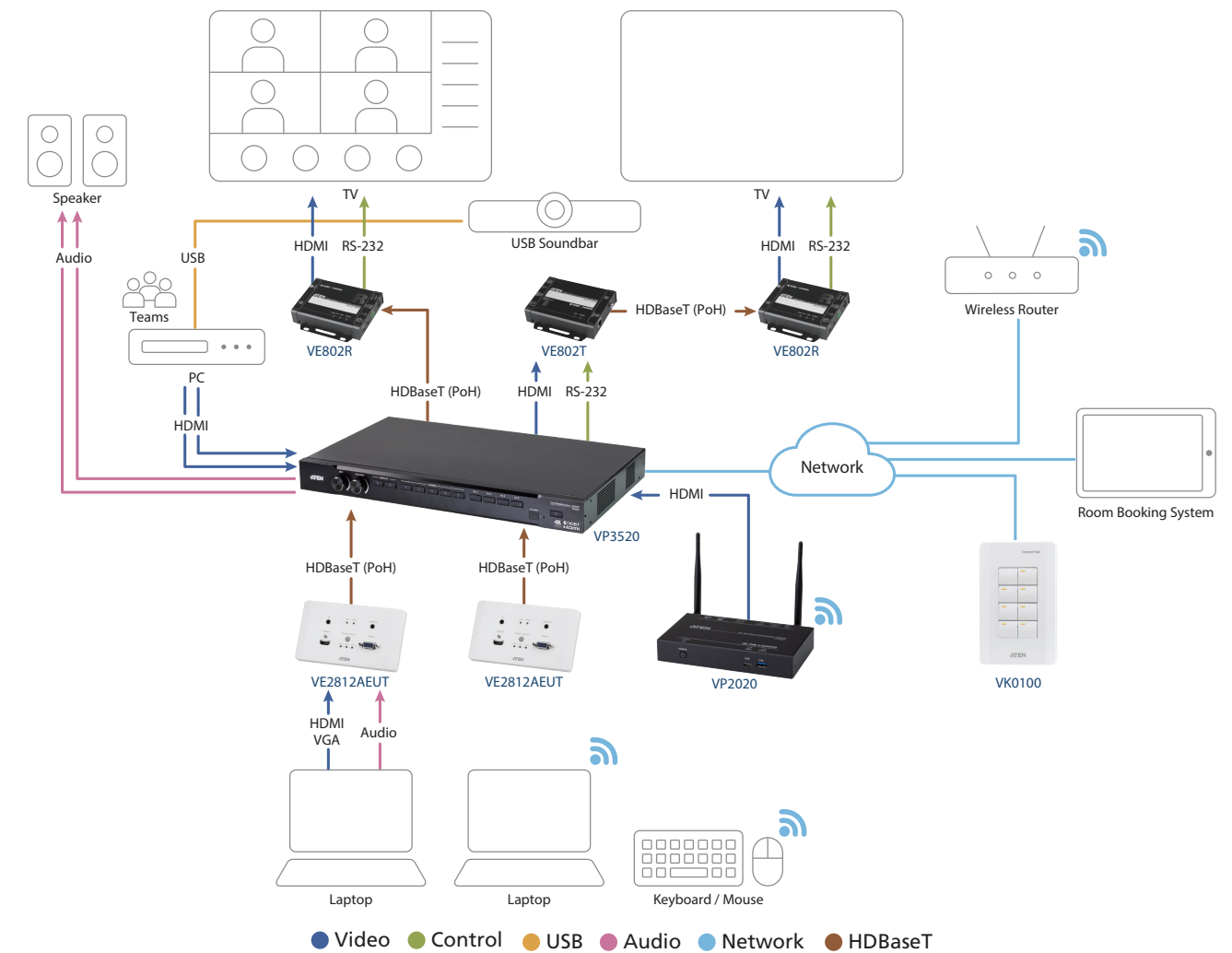
Key Requirements

- ① Real-time source switching and stable transmission of high-definition signals for smooth presentations in meetings with both local and remote participants.
- ② Keep communication smooth with microphone systems that allow both local and remote participants to hear the conversation clearly.
- ③ Convenient and intuitive operation that allows participants to start the conference equipment and enter the discussion instantly.

ATEN Solution

- ① VP3520 provides control of displays, long-distance HDBaseT transmission, and audio delivery.
- ② ATEN audio system provides the microphone and source audio and shares it with the connected local and remote participants with stunning clarity.
- ③ Remote conference sharing can be achieved via a third-party UC Conference System; in addition, screen sharing and briefings can both be displayed for discussion smoothly.
- ④ Customized AV Controls can be used in the VP Series to control the connected AV equipment via the front panel pushbuttons.

ATEN Solution Diagram



5 x 2 True 4K Seamless Presentation Matrix Switch with Control

VP3520



- Superior video quality – True 4K resolutions up to 4096 x 2160 @ 60 Hz (4:4:4) (HDMI) / 4096 x 2160 @ 60 Hz (4:2:0) (HDBaseT).
- 4K Scaler – features a 4K video scaler to convert input resolutions to the optimum display resolutions.
- Auto display on / off control – supports display control through CEC, IR, RS-232, PLink and controls projector screen through relay port.
- Audio amplifier – 2 x 10 W built-in power amplifier with speaker outputs on terminal block connectors.

Presentation Switches for Education Applications

ATEN offers different types of presentation switches to provide multiple learning solutions to meet the needs of educational applications at all levels and to promote synchronous learning participation and collaboration.

Hybrid Learning



Background

A college that offered business classes for professionals was looking to boost the efficiency and impact of its teaching presentations with a solution that provided multi-format connectivity as well as remote teaching functionality when required.

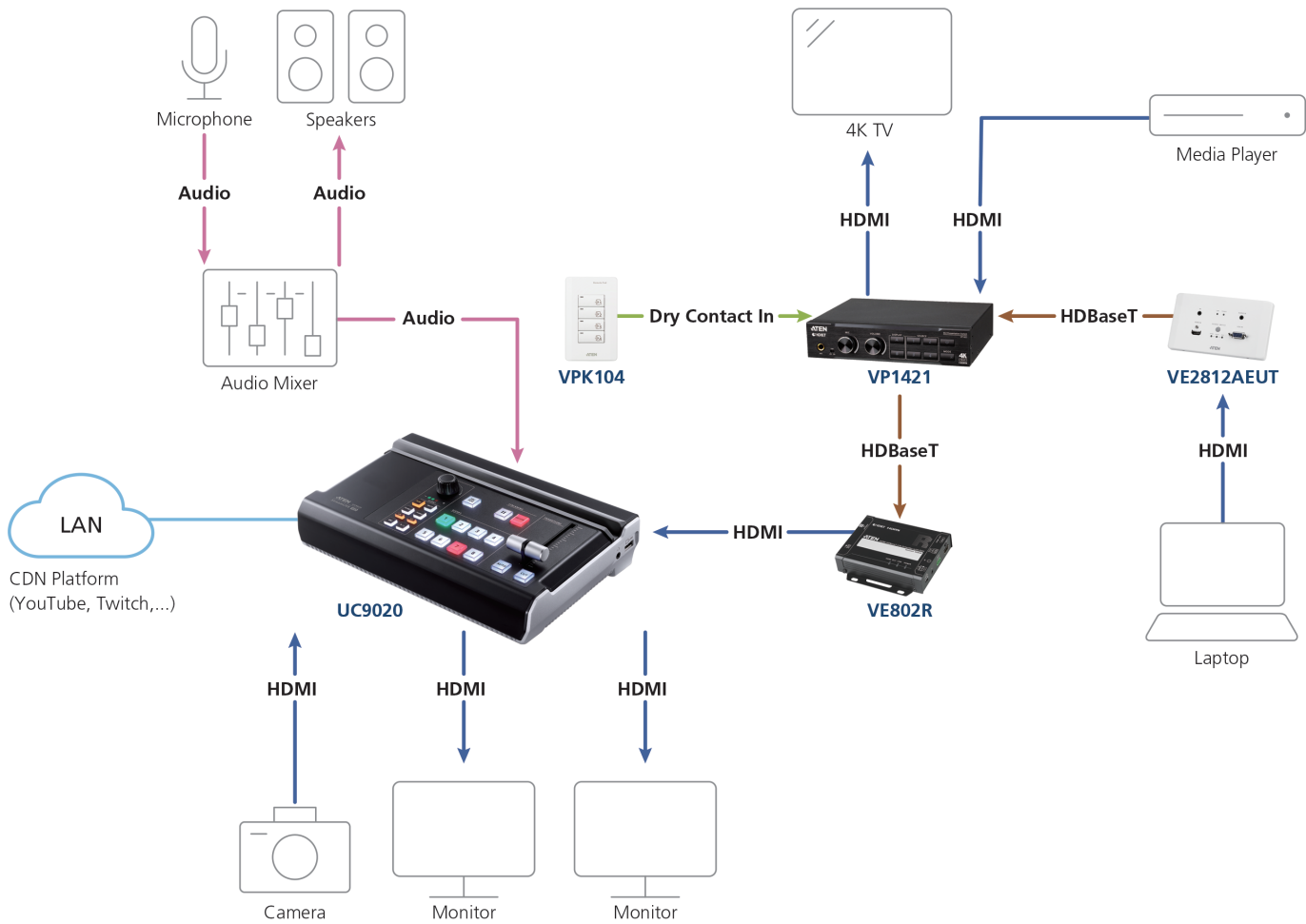
Key Requirements

- ① Control switching of various sources from easily accessible areas, as well as support for remote projectors and displays.
- ② Live and loop playback of educational presentations as needed in the classroom.
- ③ Support for microphone input and flexibility to mix with other audio sources during live classes.

ATEN Solution

- ① VP1421 supports long-distance signal transmission via HDBaseT.
- ② VP1421 features a embed / de-embed audio function that allows direct intra-class switching of sources via a touch-closed remote control panel.
- ③ UC9020 allows for capturing, editing, streaming, and switching between teaching presentation content and the in-class camera, and combines these two input sources into a livestream controlled via an iPad.

ATEN Solution Diagram



● Video ● Control ● Audio ● Network ● HDBaseT



4 x 2 True 4K Presentation Matrix Switch with Scaling, DSP, and HDBaseT-Lite

VP1421



- Multi-format AV Switching – switch among 1 HDBaseT, 2 HDMI and 1 VGA inputs to 1 HDBaseT and 1 HDMI outputs and support for audio DSP.
- HDBaseT-Lite technology – extends uncompressed AV, IR, RS-232, and power over one Cat 6/6a cable up to 70m.
- Superior video quality – True 4K resolutions up to 4096 x 2160@60Hz (4:4:4) (HDMI) / 4096 x 2160@60Hz (4:2:0) (HDBaseT); HDR support.
- Scaler – supports video upscaling to 4K for display A and downscaling to 1080p for display B.

Problem-based Learning Classroom (1)



Background

PBL classrooms enable groups of students to present their results in topic-specific discussions, and provide the teacher with the facility to observe and interact with each group at any time during the class.

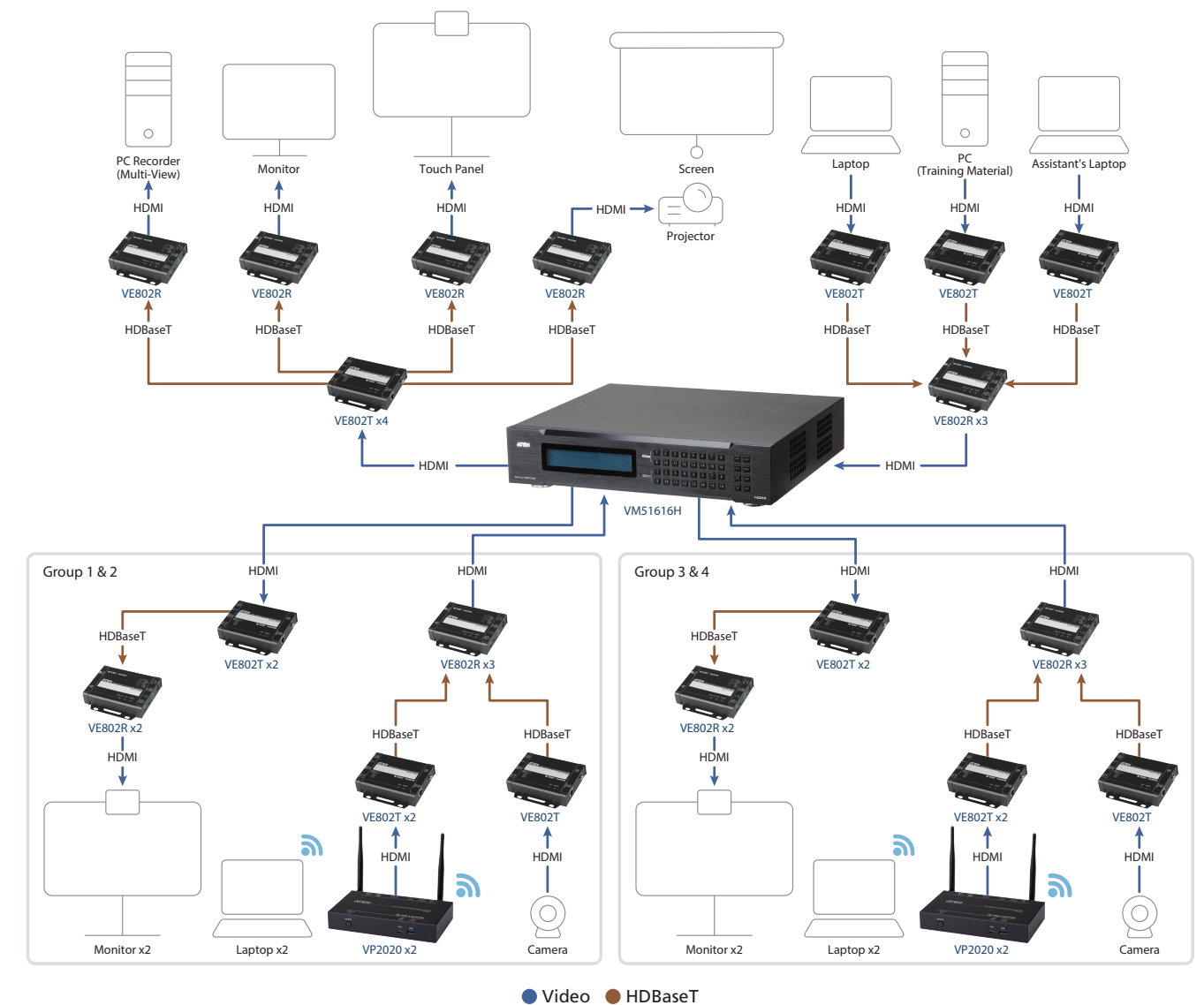
Key Requirements

- ① Two-way switching of presentation content between teachers and students on the display.
- ② Camera is required to monitor and record each group of students' problem-solving process, and to integrate multiple source images on the same screen.
- ③ The teacher needs to monitor the interactive process of each group of students and view the results of each group's presentation at the same time.

ATEN Solution

- ① Students can quickly share their presentations wirelessly via VP2020.
- ② VM51616H is equipped with an array mode that integrates multiple source images on the same screen, allowing teachers to view all camera images and presentations at the same time.
- ③ VP2020 can be integrated with multiple video and display device sources to meet the needs of PBL classrooms.

ATEN Solution Diagram



4K Wireless Presentation Switch

VP2020



- Compatible with AirPlay* and Google Cast*.
- Multi-view presentation – screen layout is configurable for presentation in full screen / side-by-side.
- Moderation Mode – the moderator can manage and control team members' connection status and the AV content being displayed.
- USB touch back – allows for seamless operation of a presentation directly from a connected touchscreen or mouse.

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Problem-based Learning Classroom (2)



Background

PBL classrooms provide a study and exam space for students and also allow teachers to interact with students in the classroom as well as to observe the classrooms from the PBL monitoring control room.

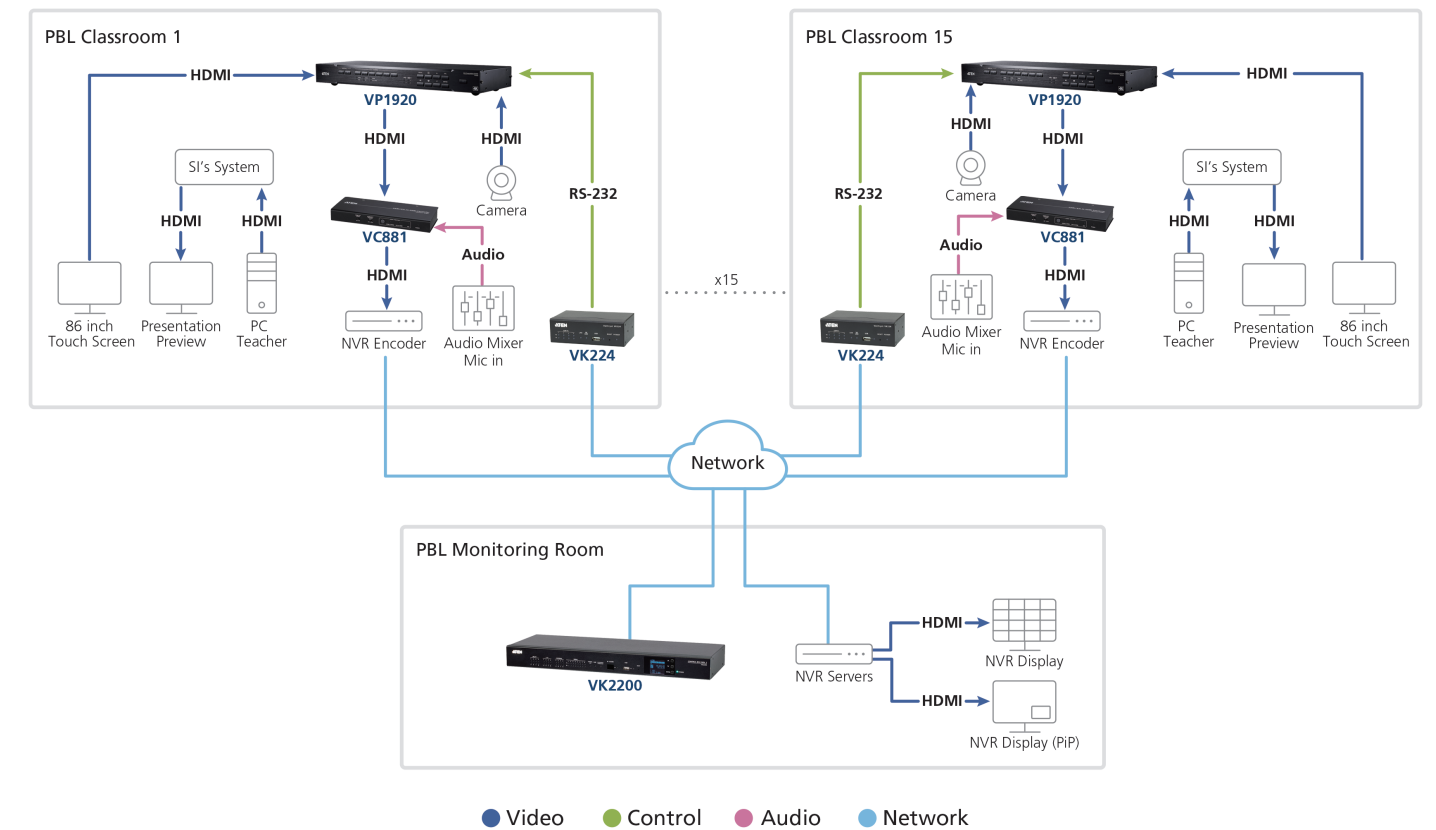
Key Requirements

- ① Integrate and control presentation content, camera and mic input with NVR servers for observation of the problem-solving process.
- ② The hardware devices in the classroom need to be managed remotely.
- ③ Instructors need to view the presentation source signal and the camera source simultaneously.

ATEN Solution

- ① VP1920 integrates with the touch panel, teacher's PC, and the presentation preview monitor via the system integrator's in-classroom control system.
- ② VP1920 features PiP / PoP functionality to view the camera feed, and also control the devices in the classroom remotely.
- ③ Bidirectional video signal transmission for group learning and camera integration and multi-view array capabilities to enhance flexibility.

ATEN Solution Diagram



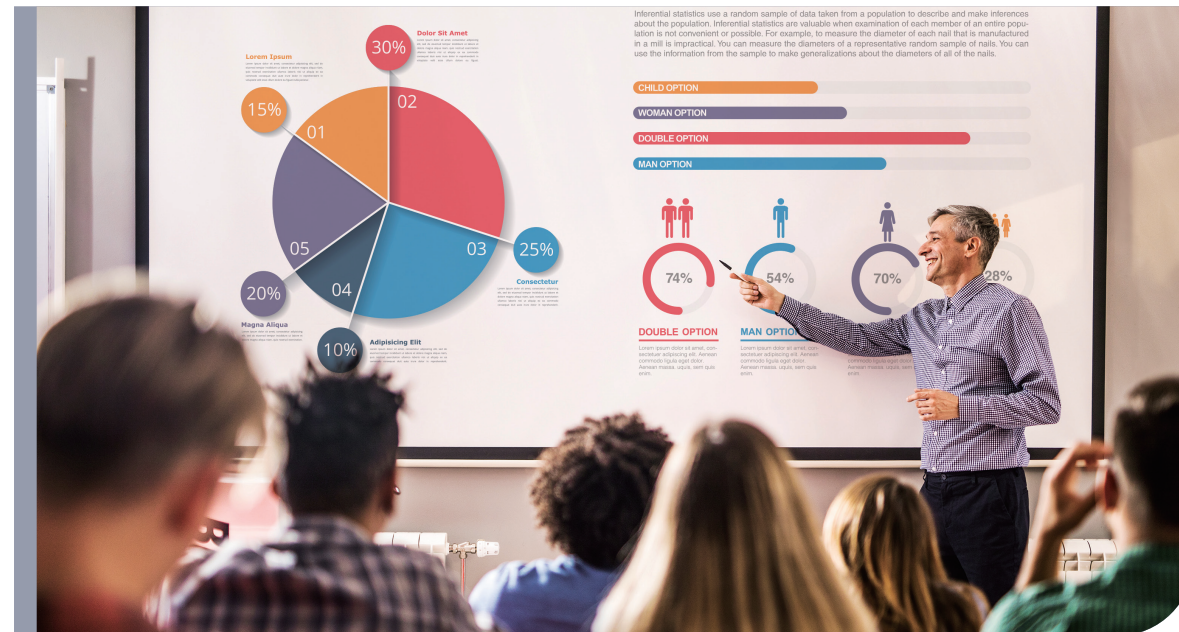
9 x 2 4K Presentation Matrix Switch

VP1920



- Multi-format AV Fast Switching – fast switching among 6 HDMI and 3 combo inputs (HDMI / VGA, HDMI / DisplayPort, HDMI / Component / Composite) to 2 HDMI outputs and support of Coaxial, Toslink, Stereo audio outputs enable flexible interface/format conversion.
- USB Control Routing for PCs and Touch Panels – allow keyboard/mouse and touch panel controls over remote computers, while the control focus for keyboard / mouse and USB peripherals can be individually switched to a designated computer source.
- Selectable Matrix, Mirror and PiP modes to meet the needs of various events or presentation styles.
- Source preview – quickly identifies and switches to the target content.

Lecture Hall



Background

Lecture halls are large scale classroom settings and are used primarily for university classes. The importance of a lecture hall is that, first and foremost, it operates as a centralized presentation space to convey content information to as large an audience as possible all at once.

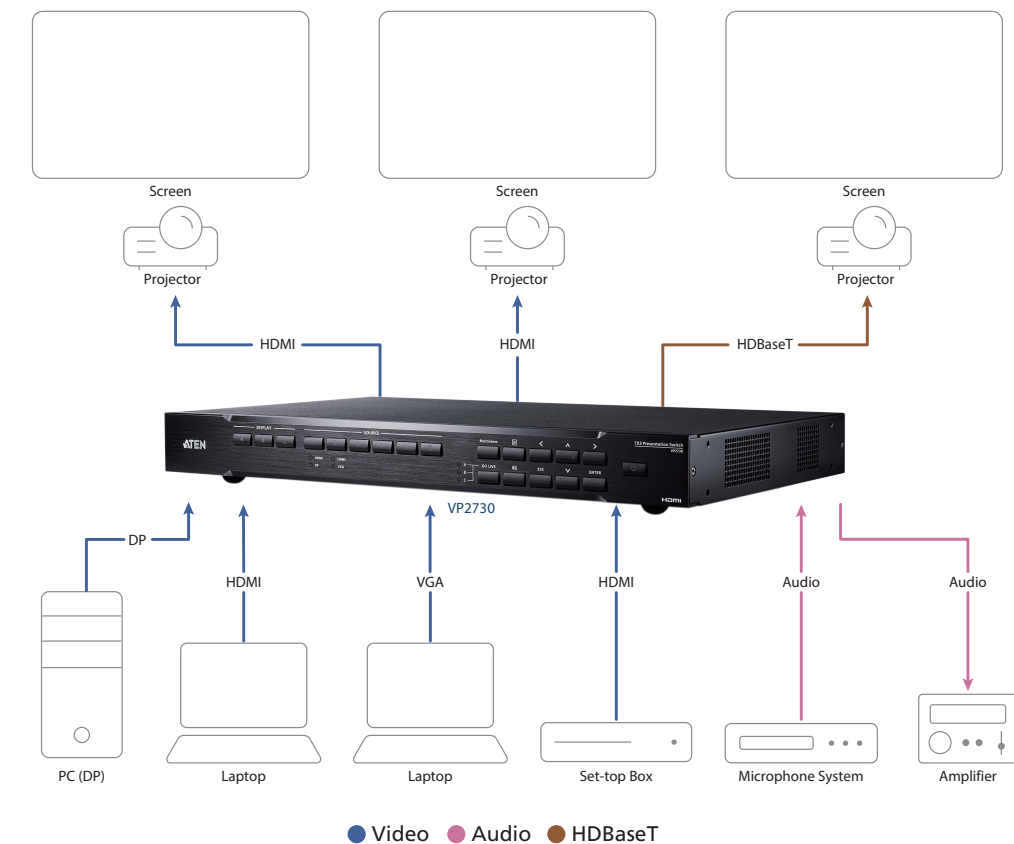
Key Requirements

- ① The display can be located at a maximum distance of 70 meters away, and there must be no black screen but instead smooth switching of the signal source.
- ② Audio needs to be extracted and connected to the venue audio system, and the sound needs to be clearly audible.
- ③ Overlay the microphone input on top of other audio sources to enrich the presentation.

ATEN Solution

- ① VP2730 supports long-range expansion via HDBaseT with zero-second seamless switching of display content between sources.
- ② VP2730 has audio embedding and de-embedding capabilities and can be mixed with any external analog or digital audio source with microphone input.

ATEN Solution Diagram



7 x 3 Seamless Presentation Matrix Switch with Scaler, Streaming, Audio Mixer, and HDBaseT





VP2730



- Ultra Seamless Switching with Scaler – zero second switching without any latency while scaling for the best output resolution ensures extra smooth presentations.
- Bi-directional Distance-free Streaming – go live to stream out HD video to up to 5 remote sites or stream in content from a remote site via an intuitive web GUI.
- Built-in Audio Mixer – supports dynamic / condenser microphone input with selectable 48V Phantom Power and allows mic input to be mixed with program audio.
- Multi-view Flexibility – display and switch simultaneously up to six sources on PiP (picture in picture) PbP (picture by picture), quad-view, and more.

Find Your Presentation Switch

Series	Core			All-in-One
Model	VP1420	VP1421	VP1920	VP3520
Photo				
Max. Resolution	4K@60Hz(4:4:4)	4K@60Hz(4:4:4)	4K@60Hz(4:2:0)	4K@60Hz(4:4:4)
Video Input	1 x VGA, 3 x HDMI	1 x VGA, 1x HDBaseT, 2 x HDMI	6 x HDMI, 1 x DP, 1x VGA, 1 x Component, 1 x Composite	3 x HDMI, 2 x HDbaseT
Video Output	2 x HDMI	1 x HDMI, 1 x HDBaset	2 x HDMI	1 x HDMI, 1 x HDBaseT
Features	<ul style="list-style-type: none">• Audio de-embedding/ embedding• Analog/ Digital AV Matrix	<ul style="list-style-type: none">• HDBaseT-Lite:4K@40m• Audio DSP• Mic input with Phantom power	<ul style="list-style-type: none">• Multiple Interfaces• Source Preview/ PiP mode• USB peripherals switch to designated computer	<ul style="list-style-type: none">• Seamless switching• AV device control• HDBaseT-Lite:4K@40m• Audio DSP

Series	PresentON™		Collabroative	
Model	VP2020	VP2021	VP2120	VP2730
Photo				
Max. Resolution	4K@30Hz(4:4:4)	4K@30Hz(4:4:4)	1080p@60Hz	1080p@60Hz
Video Input	2 wireless input	4 wireless input	1 x HDMI	5 x HDMI, 1 x DP, 1 x VGA
Video Output	1 x HDMI, 1 x VGA	1 x HDMI, 1 x VGA	2 x HDMI	2 x HDMI, 1 x HDBaseT
Features	<ul style="list-style-type: none">• Wireless sharing• 2 users simultaneous sharing on one screen	<ul style="list-style-type: none">• Wireless sharing• 4 users simultaneous sharing on one screen	<ul style="list-style-type: none">• Seamless switching• Audio DSP• Streaming in/ Go-Live• 4 users simultaneous sharing on one screen	<ul style="list-style-type: none">• Seamless switching• Audio Mixer• Mult-view supported• Streaming in / Go-Live



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Showrooms



Global Locations