

# Meeting Space Case Studies





# Innovating Meeting Spaces

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Meetings have seen unprecedented innovation due to the latest great disruption, hybrid work. Yet it remains difficult to replicate the advantages of in-person interaction, particularly for brainstorming, ideation, mentorship, and wellness. Now the race is on to retool meeting rooms to meet the evolving demands of the hybrid workplace.

Unifying communications for hybrid meeting spaces means re-imagining core technologies that are already in place to work seamlessly with the latest collaboration tech.

A large, thick blue square graphic is positioned on the right side of the slide. It is an open square, with the top and right sides missing, creating a frame-like effect. The text "Re-Imagining Core Technologies" is centered within this frame.

**Re-Imagining  
Core Technologies**

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# ATEN | BYOD Huddle Space

## 1 Streamlined Communications for Impromptu Meetings at Media Company, UK

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In order to optimize productivity and communication by more effectively managing employee interactions in the new hybrid work environment, a media company was looking for a presentation solution for its multifunction huddle space. The company wanted a solution that enables quick meetings to be launched at any time while still providing an advanced level of collaboration among different media team members. Multiple participants need to display content at the same time and share material instantly, while also taking notes and making annotations on shared files for efficient project management. Support for both Apple and Android-based devices was required.



# ATEN | BYOD Huddle Space

Challenges	The ATEN Solution
<ul style="list-style-type: none"><li>■ Facilitate impromptu discussions that enable multiple team members to display content at the same time</li><li>■ Provide a productive, interactive huddle space environment that has built-in online idea-sharing capabilities</li><li>■ Enable remote colleagues to join meetings and share content from elsewhere in the office building to maintain social distancing</li><li>■ Share content simultaneously and securely using their own devices for efficient on-demand BYOD collaboration</li></ul>	<p>Creates a streamlined, collaborative environment with reliable connections for shared presentations at up to 4K HDR. With efficient BYOD meetings on demand and simultaneous bi-directional multistreaming that allows remote colleagues to stream-in content from their own laptop or mobile device over a secure connection on the same LAN, the ATEN solution leverages digital whiteboard, chat room, and file sharing functionality in order to reboot the hybrid workplace for improved productivity at both the individual and team levels.</p>



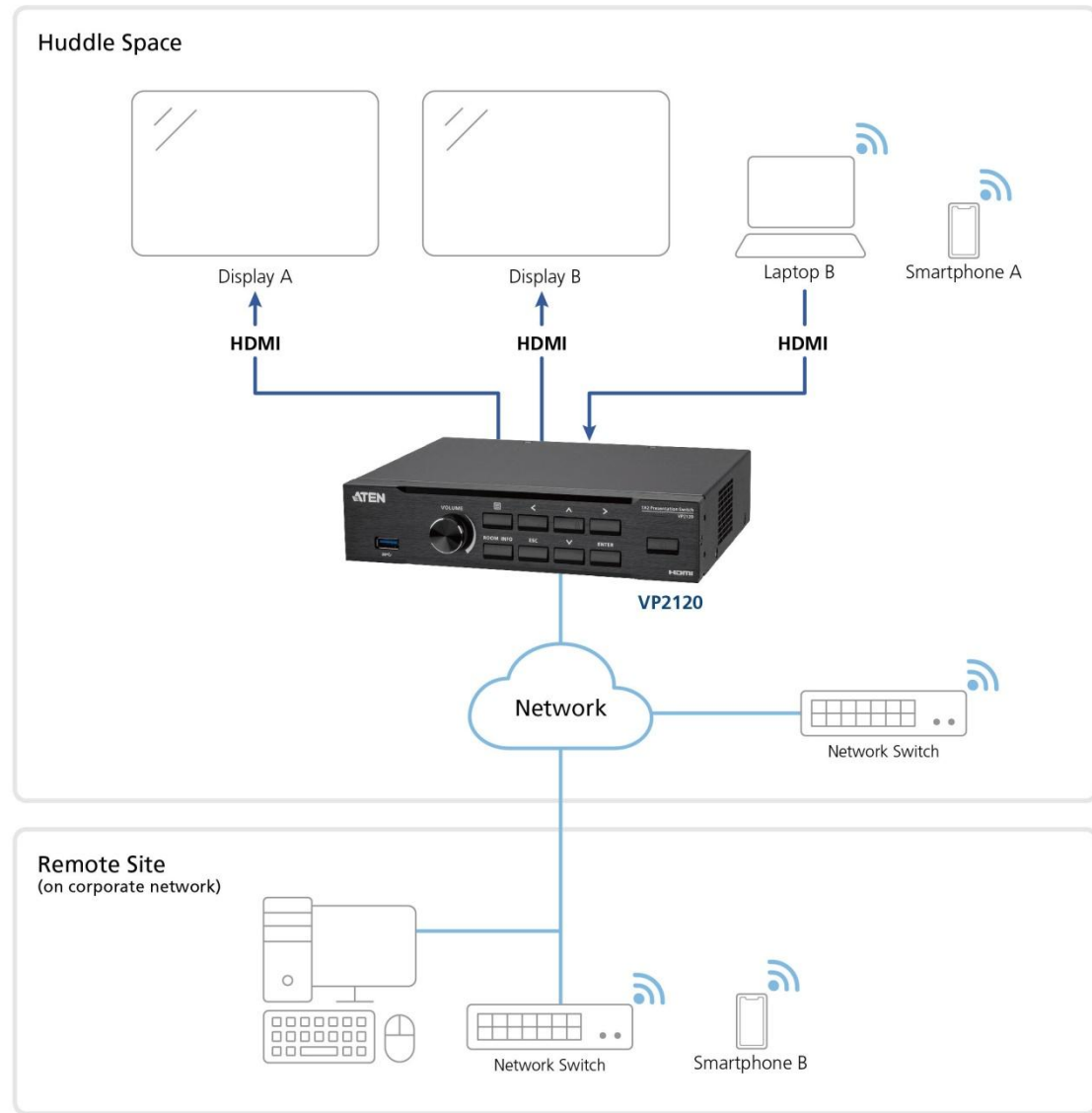
**“The implementation of thriving meeting spaces for impromptu team interactions turned out to be the key to productivity and results in the media company’s new hybrid work environment.”**

# ATEN | Products / Solution Diagram

VP2120



**VP2120**  
Seamless Presentation Switch  
with Quad View Multistreaming



# ATEN | Meeting Room-01

## 2 Integrated Conference Room with 2 x 2 Video Wall, Henkel, Serbia

Henkel, a multinational company with leading products in the adhesive technologies, beauty care, and laundry & home care sectors, established a new facility in Kruševac, Serbia, to expand production. This included establishing a new conference room with a video wall at the factory. They required a solution that facilitated effective communication between participants without delay. This meant that the video wall setup must interoperate with other conference room equipment, such as the conference and presentation systems and the audio mixer. The project was designed and installed in cooperation with leading systems integrator AVL Projekt Int. doo.



# ATEN | Meeting Room-01

Challenges	The ATEN Solution
<ul style="list-style-type: none"><li>■ HDMI Video Wall – high-quality video transmission for a 2x2 video wall</li><li>■ Ultra Smooth Transitions – real-time switching of video sources with stable and continuous streams</li><li>■ Easy to Operate – intuitive control via a mobile device and wall-mounted keypad</li><li>■ Efficient Audio Extraction – requires an additional audio source from HDMI signals for separate sound control</li></ul>	<p>The solution delivers smooth, synchronized video rendered at optimum output resolutions with uncompromised precision across the video wall, while ATEN’s exclusive Seamless Switch™ technology enables real-time control and zero-delay switching between multiple sources for an uninterrupted experience while transitioning between video sources. For easy, centralized control, the solution integrates diverse hardware and provides customized mobile and keypad control interfaces so that various meeting scenarios can be controlled with just a few clicks. The HDMI repeater with built-in audio de-embedder extracts audio from HDMI signals while extending video signals.</p>



**“The conference room at the new facility will allow Henkel to continue to contribute additional growth, employment impact, and new business benefits to the local community and country.”**



# ATEN | Meeting Room-01 – Products

VM5808H  
VK2200  
VC880  
VK108US



**VM5808H**  
8 x 8 HDMI Matrix Switch with Scaler



**VK108US**  
ATEN Control System - 8-button Keypad



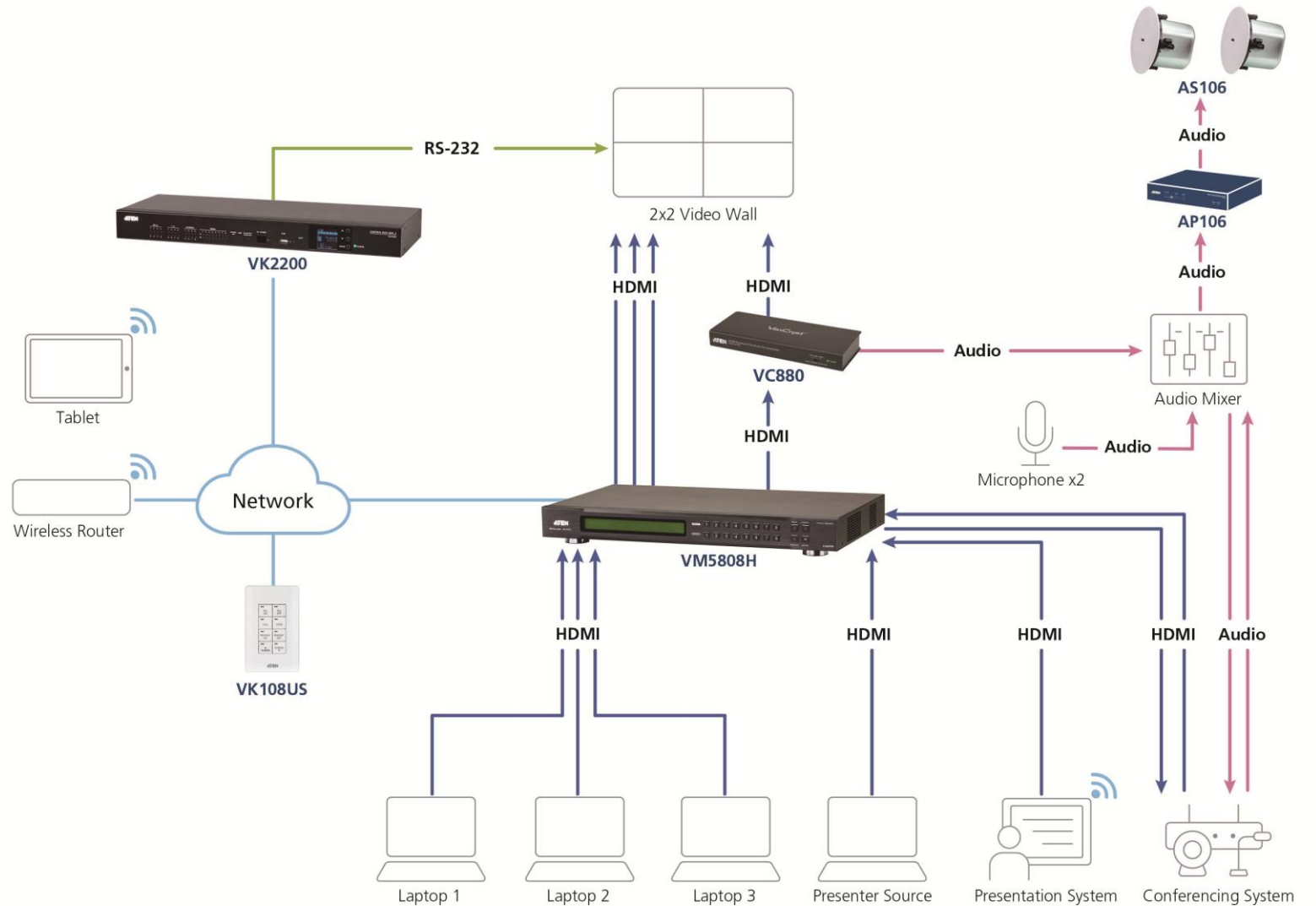
**VC880**  
HDMI Repeater Plus Audio De-embedder



**VK2200**  
ATEN Control System – Control Box

# ATEN | Meeting Room-01 – Solution Diagram

VM5808H  
VK2200  
VC880  
VK108US



## 3 Remote-Participant-inclusive Conference Room for Research Analyst Firm, Belgium

As part of its transition to a hybrid work model, a research analyst firm in Belgium decided to revamp its conference room equipment so that remote participants could be fully accommodated with a level of inclusivity that ensured their well-being and continued productivity. In order to do so, the company required a moderator-enabled AV distribution and conferencing solution that streamlined accessibility, featured advanced audio functions, and facilitated local and remote collaboration and content sharing in such a way that its remote workers felt as engaged and empowered as those in the room.



# ATEN | Meeting Room-02

Challenges	The ATEN Solution
<ul style="list-style-type: none"><li>■ Easy content sharing and collaboration between on-site and remote participants</li><li>■ Integrate various sources that use different analog/digital interfaces</li><li>■ Meeting moderator needs to manage output displays for a seamless flow</li><li>■ Extract audio and connect to existing audio system; overlay mic input on top of other audio sources for collaboration</li></ul>	<p>Centered on a highly compatible yet compact device that consolidates multiple source formats, the ATEN solution offers bi-directional multistreaming that enables content to be shared to and from participants remotely, while the moderator is able to discretely access any output display to switch content or change settings. The solution supports audio embedding/de-embedding in addition to mixing microphone input with an external analog or digital audio source for seamless interactions between all participants wherever they are located. The whole system can be effortlessly managed by the ATEN Control System.</p>



**“The ATEN solution provides collaborative functions that maximize engagement and allow remote workers to access meeting space tools with as consistent an experience as when in the office.”**

# ATEN | Meeting Room-02 – Products

VP2730  
VS182A  
VE802R  
VK2200



**VP2730**  
7 x 3 Seamless Presentation Matrix Switch  
with Scaler, Streaming, Audio Mixer, and HDBaseT



**VS182A**  
2-Port 4K HDMI Splitter



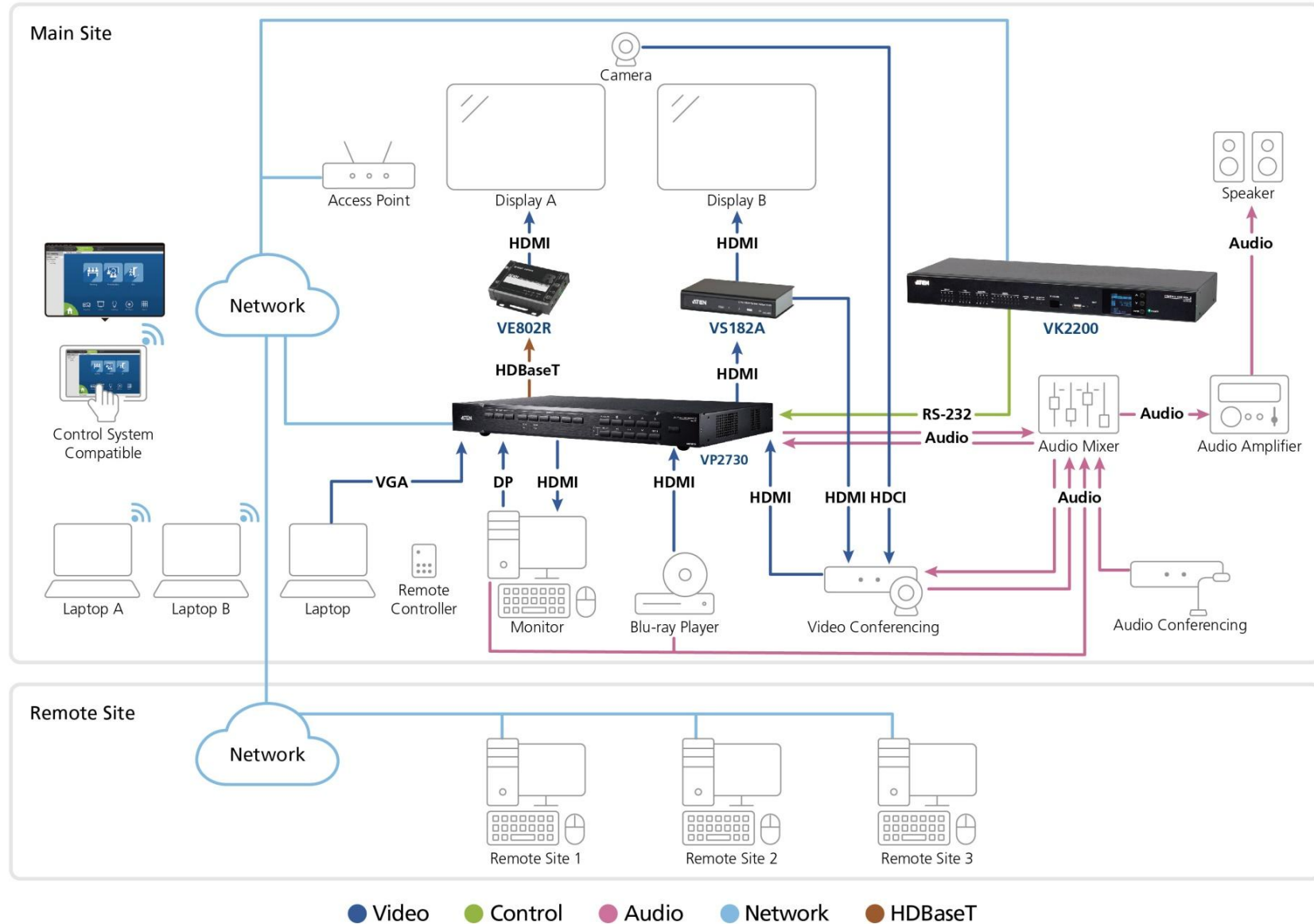
**VE802R**  
HDMI HDBaseT-Lite Receiver with POH  
(4K@40m) (HDBaseT Class B)



**VK2200**  
ATEN Control System – Control Box  
Gen. 2 with Dual LAN

# ATEN | Meeting Room-02 – Solution Diagram

VP2730  
VS182A  
VE802R  
VK2200



# ATEN | Meeting Room-03

## 4 Centralized AV Distribution and Control for Meeting Spaces, University, Italy

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A renowned Italian university upgraded several lecture halls with new audio and video equipment, as well an additional conference room that required a centralized system to ensure efficient collaboration. The conference room needed control to be centralized at both the presentation table and the technical room. For usability reasons, the system has to be activated with a single switch-button. A large screen is the focal point of the room. All content displayed on this screen will also be visible on two smaller screens in the room. The video settings need to be handled from the control room, where an operator works at a dual-monitor setup.



# ATEN | Meeting Room-03

Challenges	The ATEN Solution
<ul style="list-style-type: none"><li>■ Smooth Video Distribution – Applications required the distribution of multiple video sources with diverse interfaces to multiple outputs</li><li>■ Multi-view Flexibility – Operator needs to preview and adjust PTZ camera outputs and incorporate presentation content into a quad-view setup for simultaneous display</li><li>■ Long-distance Extension – Depending on the location of AV equipment and room structure, long-distance AV extension solutions were required where necessary</li></ul>	<p>Proprietary EDID Expert™ technology enables smooth and high-quality video performance across different screens, ensuring wide support for 3<sup>rd</sup>-party displays and sources. The presentation table is equipped with HDMI and VGA source input options that can automatically detect connecting laptops, while cameras can be monitored in the technical room and presentation output is offered in quad view plus a variety of multi-view modes. In addition, the solution utilizes HDBaseT™ technology to extend AV signals across long distances up to 100m via Cat 5e/6A cables.</p>



**“It’s an intuitive system which is easy to use, even for teachers with a limited technical background.”**

***Roberto Rubini, Ekklesia s.r.l.***



# ATEN | Meeting Room-03 – Products

VP2730  
CM1284  
VE801R  
VS182A  
VE1812R



**VP2730**  
7 x 3 Seamless Presentation Matrix Switch with Scaler,  
Streaming, Audio Mixer, and HDBaseT



**CM1284**  
4-Port USB 4K HDMI Multi-View  
KVMP™ Switch



**VE801R**  
HDMI HDBaseT-Lite Receiver  
(4K@40m) (HDBaseT Class B)



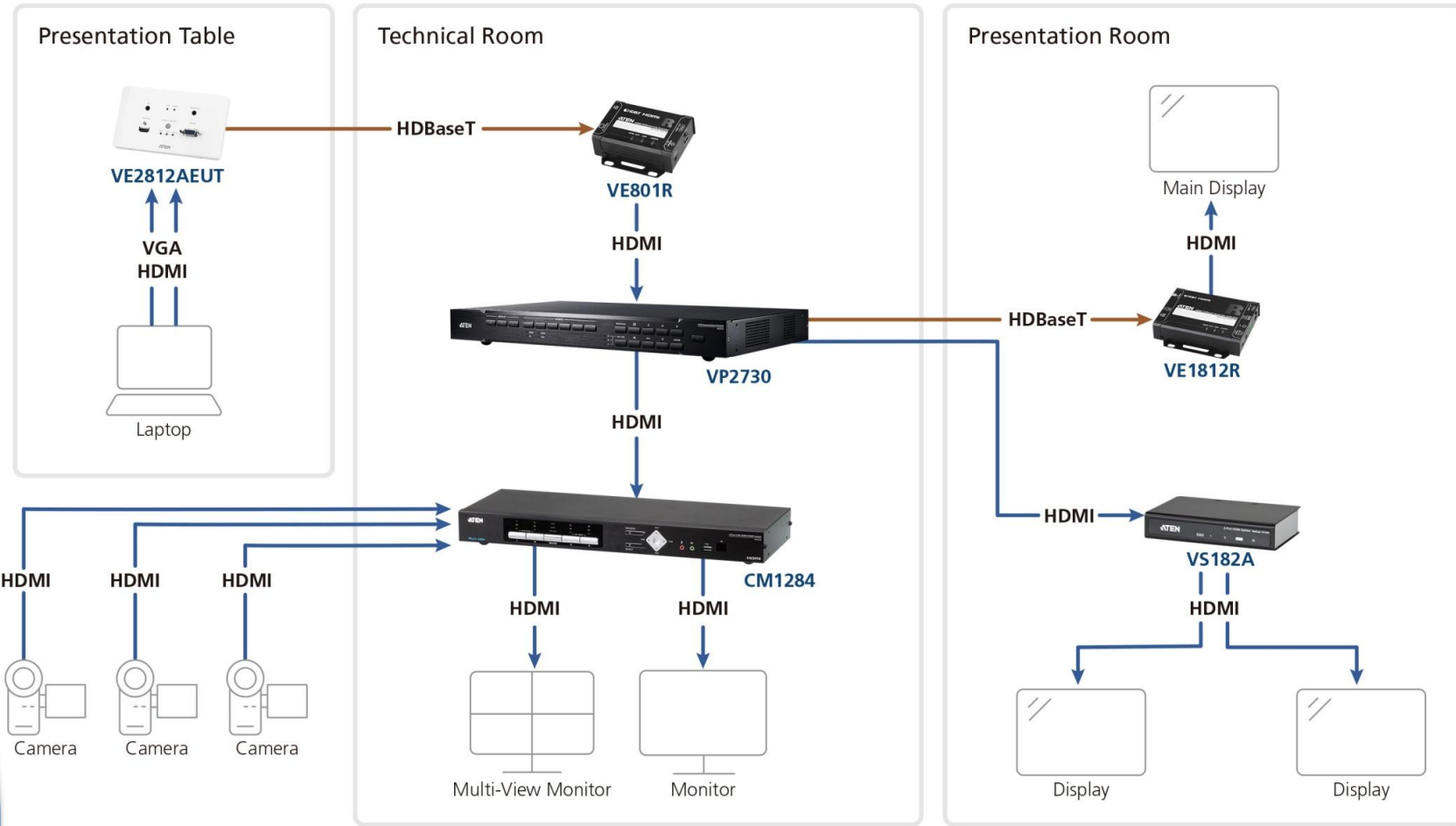
**VE1812R**  
HDMI HDBaseT Receiver with POH (4K@100m)  
(HDBaseT Class A)



**VS182A**  
2-Port 4K HDMI Splitter

# ATEN | Meeting Room-03 – Solution Diagram

VP2730  
CM1284  
VE801R  
VS182A  
VE1812R



● Video ● Network ● HDBaseT

# ATEN | Boardroom-01

## 5 Multifunction Meeting Space with Room Booking System at ATEN International, Taiwan

As a leading provider of IT connectivity and management solutions, including integrated KVM, professional AV, and intelligent power solutions, ATEN established a state-of-the-art war room to serve multiple functions, such as a meeting room, conference room, a training space, and an experiential zone for its employees, partners, and customers to experience ATEN solutions on hand. The company was looking to create the most engaging meeting space environment that was prepared for every opportunity with complete AV/IT connectivity for dynamic collaborative processes combined with simple configuration and intelligent control.



# ATEN | Boardroom-01

Challenges	The ATEN Solution
<ul style="list-style-type: none"><li>■ One-stop control for multiple devices including environment controls</li><li>■ Real-time remote access and control over multiple computers</li><li>■ Flexible maintenance and ability to incorporate future expansion requirements</li><li>■ Reliable, long-distance video transmission with video wall support</li><li>■ Interactive meeting setup that connects local and remote participants</li><li>■ Intelligent power management with flexible device power on/off options</li></ul>	<p>The ATEN solution integrates control for all devices, including lights and air conditioning, via an iPad, while providing access and control of multiple networked computers as well as file transfers through KVM over IP extenders with virtual media support. Supports HDBaseT™, Seamless Switch, and Scaler functionalities for high-quality video transmission over long distances and perfect video wall applications. Integrates a video conferencing system with PTZ cameras that track and display presenters on screen as they speak. Also enables real-time power management and supports remote and local power outlet control, while the RBS Panel handles room booking.</p>



**“The Room Booking System allows for the most optimum use of a space that is fully equipped to meet the challenges of conferences, trainings, and hands-on showcases for employees and partners.”**

# ATEN | Boardroom-01 – Products-01

VM1600A  
KE6900R  
PE8208A  
CL6708MW  
VK2200  
VK430



**VM1600A**  
16 x 16 Modular  
Matrix Switch



**KE6900R**  
USB DVI-I Single Display KVM  
Over IP Receiver



**VK430**  
Room Booking System –  
10.1" RBS Panel



**PE8208A**  
20A/16A 8-Outlet 1U Outlet-Metered  
& Switched eco PDU



**CL6708MW**  
8-Port USB DVI Single Rail WideScreen  
LCD KVM Switch



**VK2200**  
ATEN Control System – Control Box  
Gen. 2 with Dual LAN

# ATEN | Boardroom-01 – Products-02

VE805R  
VK224  
VS0801H  
VC880  
VE801T



**VS0801H**  
8-Port HDMI Switch



**VE805R**  
HDMI HDBaseT-Lite Receiver with Scaler  
(1080p@70m) (HDBaseT Class B)



**VK224**  
4-Port Serial Expansion Box



**VC880**  
HDMI Repeater Plus Audio De-embedder

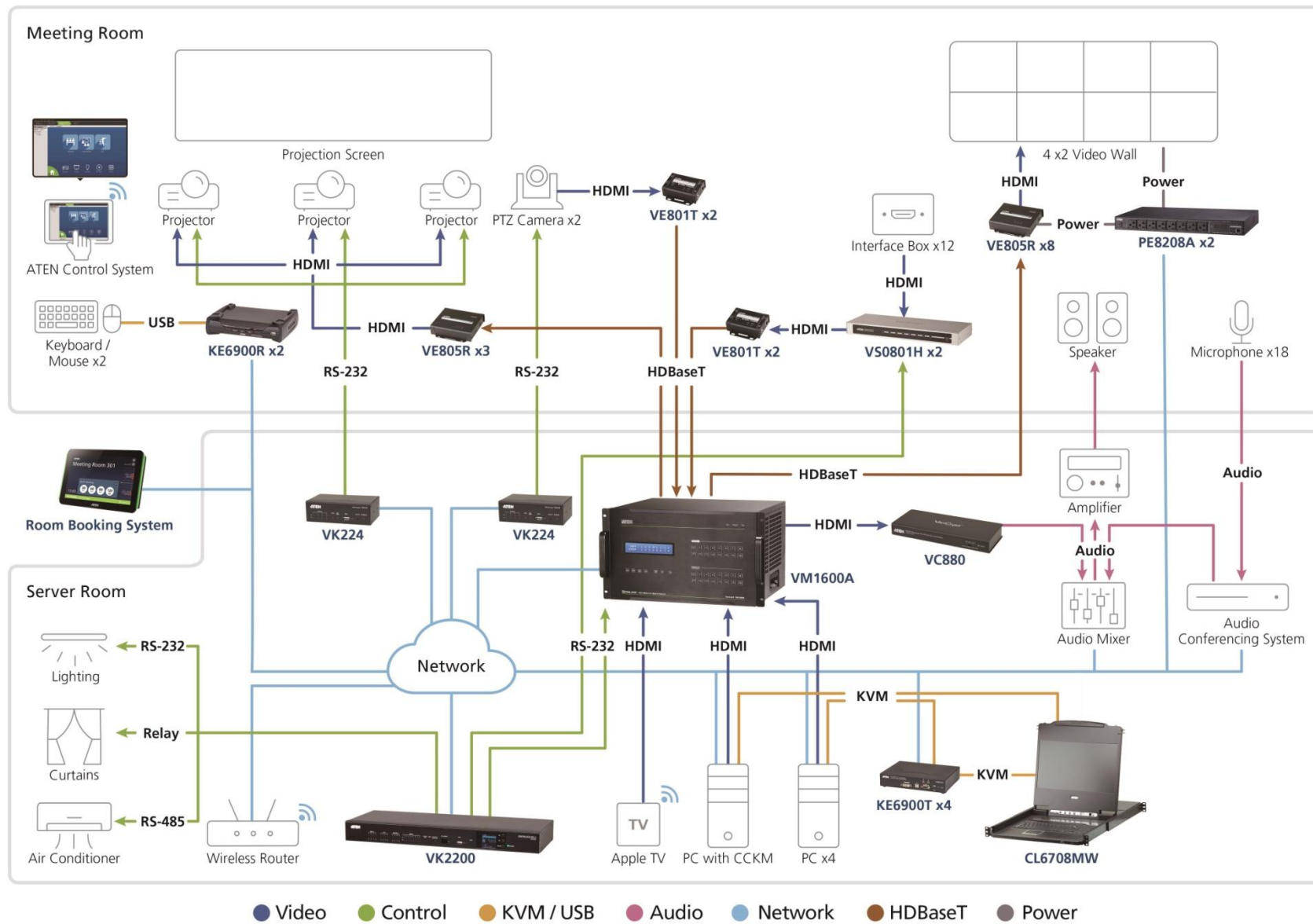


**VE801T**  
HDMI HDBaseT-Lite Transmitter  
(4K@40m) (HDBaseT Class B)

# ATEN | Boardroom-01 – Solution Diagram

VM1600A  
KE6900R  
PE8208A  
CL6708MW  
VK2200  
VE805R

VK224  
VS0801H  
VC880  
VE801T  
VK430



# ATEN | Boardroom-02

## 6 Executive Boardroom with 3 x 3 Video Wall, Coal Mining Company, Kazakhstan

One of Kazakhstan's largest producers of thermal coal was looking to create a space for video conferencing with subsidiaries at its HQ located in Karaganda. A control system that made the room usable for non-technical staff was a top priority, as was smooth integration with 3<sup>rd</sup>-party conferencing equipment and a variety of displays, including a large video wall, IR-controlled TVs and networked retractable displays. BYOD inputs so attendees could display content for presentations via their laptops were also required.





# ATEN | Boardroom-02

Challenges	The ATEN Solution
<ul style="list-style-type: none"><li>■ Smooth reliable routing for high-quality HDMI signals for 3 x 3 video wall, two TVs, and two retractable displays</li><li>■ Ultra-smooth transitions for real-time switching of content from wireless presentation system &amp; videoconferencing equipment</li><li>■ Needs to be easy to operate and control for non-technical employees</li></ul>	<p>The ATEN solution distributes HDMI content from the 3rd-party videoconferencing and wireless presentation systems, extended over HDBaseT™, to deliver stable and continuous streams and allowing content selection for the 3 x 3 video wall and four other displays. The whole system is effortlessly managed with the ATEN Control System. Via an intuitive interface on an iPad Mini, the conference moderator can customize the room configurations necessary for the meeting in progress and control all hardware and content output and with minimal technical expertise required.</p>



**“Allows for the control of the hardware, selection of AV sources, changing ceiling speaker volume, muting output, and much more with just a few clicks.”**

# ATEN | Boardroom-02 – Products

VM5404H  
VS184A  
VE801T/R  
VC880  
VK2200



**VC880**  
HDMI Repeater Plus Audio  
De-embedder



**VM5404H**  
4 x 4 HDMI Matrix Switch with Scaler



**VS184A**  
4-Port 4K HDMI Splitter



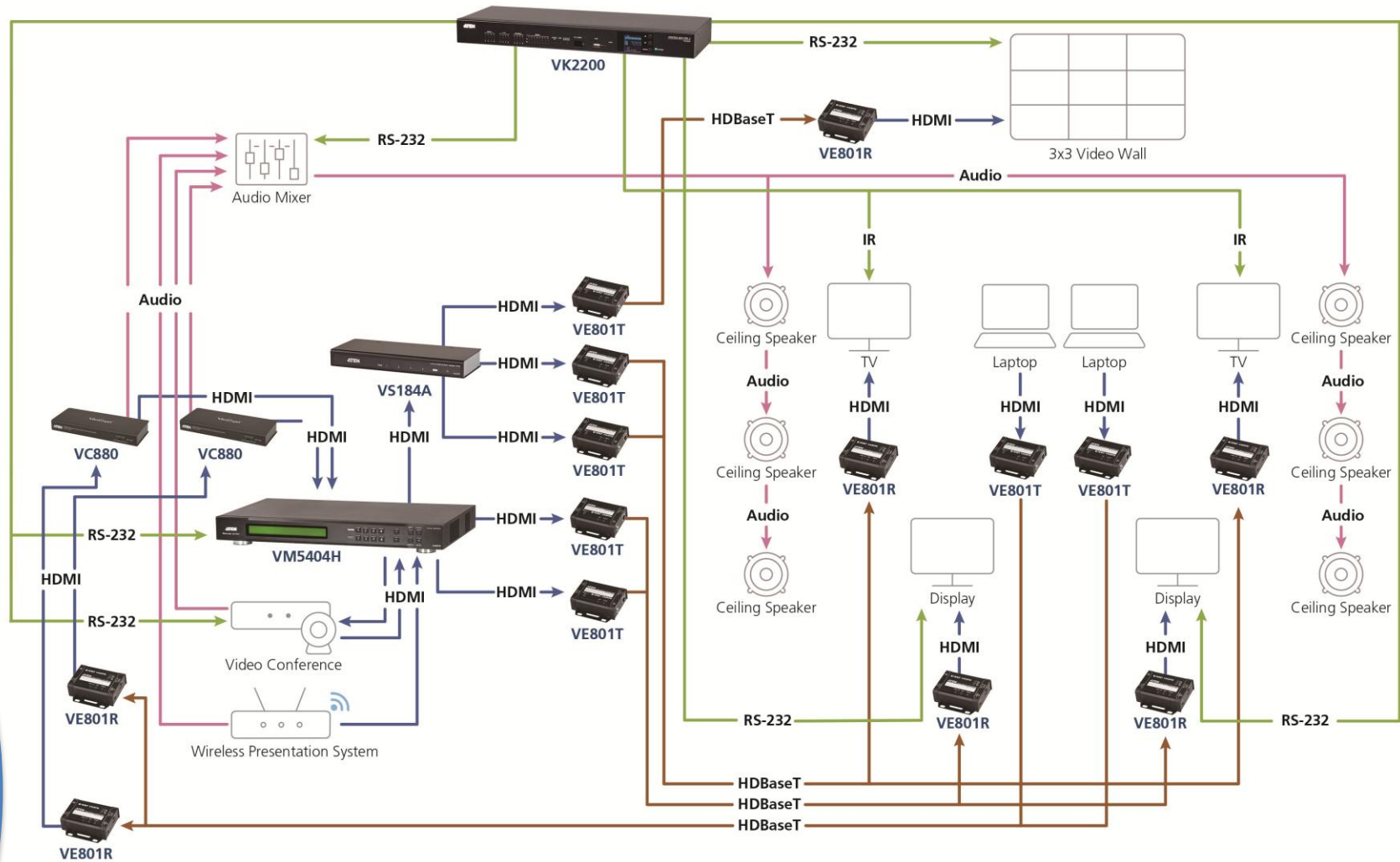
**VE801T/VE801R**  
HDMI HDBaseT-Lite Transmitter / Receiver  
(4K@40m) (HDBaseT Class B)



**VK2200**  
ATEN Control System - Control Box  
Gen. 2 with Dual LAN

# ATEN | Boardroom-02 – Solution Diagram

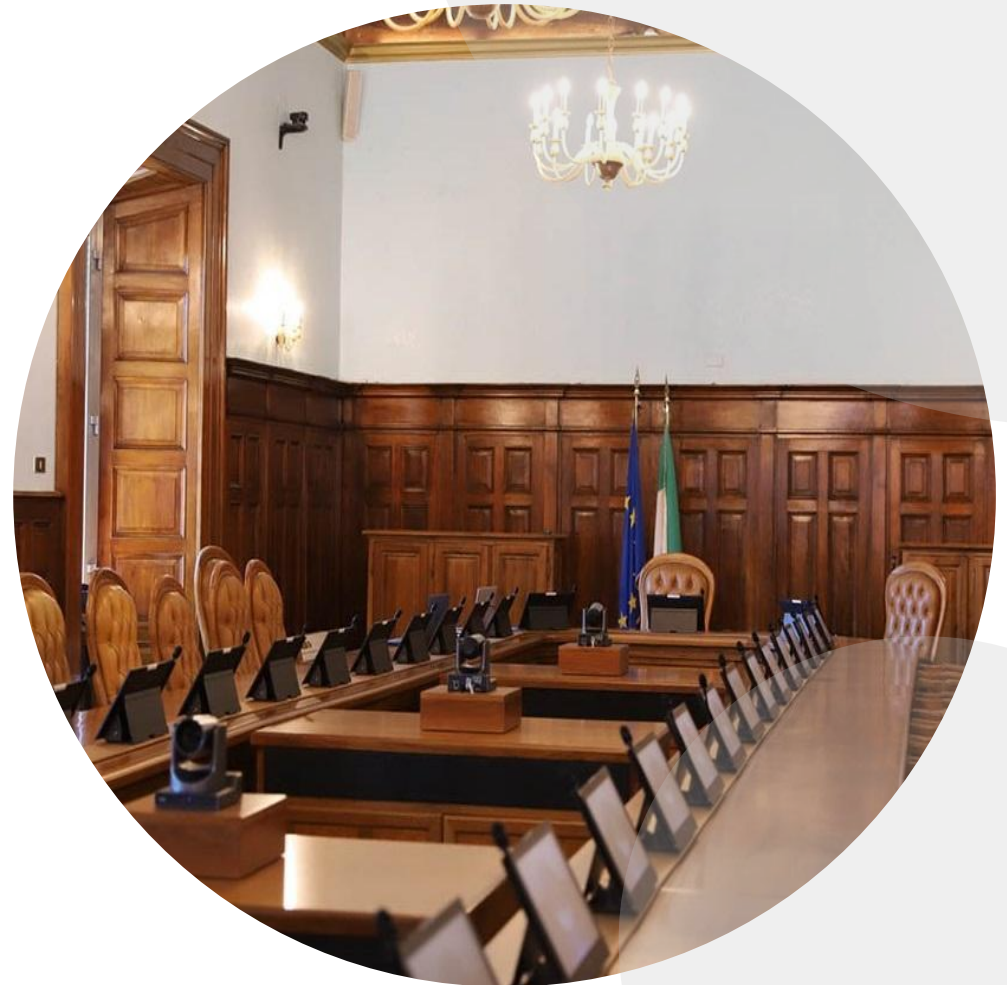
VM5404H  
VS184A  
VE801T/R  
VC880  
VK2200



# ATEN | Boardroom-03

## 7 Media Distribution & Control for Courthouse Conference Room, Ministry of Justice, Rome

The Ministry of Justice in Rome was looking for a media distribution system for its primary meeting space at the State Courthouse where the National Prosecutor meets Italian state officials and foreign officials. The conference room has 38 seats and all are equipped with a multimedia paperless conference system terminal that is capable of independently displaying video contributions or files uploaded to a server, and incorporates a 3-camera system with automatic aiming that allows a close-up shot of each delegate. The same multimedia terminal offers the meeting participants the possibility to listen to two simultaneous translation channels.



# ATEN | Boardroom-03

Challenges	The ATEN Solution
<ul style="list-style-type: none"><li>■ Smooth media distribution for multimedia terminals including mic recording and viewing video sourced from PCs and the presentation system</li><li>■ Media distribution must work seamlessly among the in-rack audio mixer, paperless conference system of 38 terminals and three cameras, and interpreter units located in a separate booth</li><li>■ Must incorporate support for virtual meetings and livestreaming on video conferencing platforms</li><li>■ Essential that all conferencing equipment is able to be operated smoothly and without any hitches to ensure that the official meeting flow is not interrupted</li></ul>	<p>The core benefit of the ATEN solution is the reliable distribution of HDMI video signals to the conference system terminals as well as to two externally located 65-inch monitors and the translator booth independently. The solution successfully integrates multiple devices and third-party systems, while ATEN proprietary EDID Expert™ technology enables smooth and high-quality video performance with optimum resolution across the different screens. FHD content for web conferencing is mixed and streamed by the UC3022, and the whole system is effortlessly managed by the ATEN Control System via an intuitive interface on a tablet.</p>



**“The moderator can customize the room configurations necessary for the meeting in progress and control the hardware with just a few clicks and with minimal technical expertise required.”**

# ATEN | Boardroom-03 – Products

VM0808HA  
VE801T/R  
VE2812T/R  
VS182A  
VK2100  
UC3022



**VM0808HA**  
8x8 4K HDMI Matrix Switch



**VS182A**  
2-Port 4K HDMI Splitter



**VE801T/VE801R**  
HDMI HDBaseT-Lite Transmitter / Receiver(4K@40m) (HDBaseT Class B)



**UC3022**  
CAMLIVE™ PRO (Dual HDMI to USB-C UVC Video Capture)



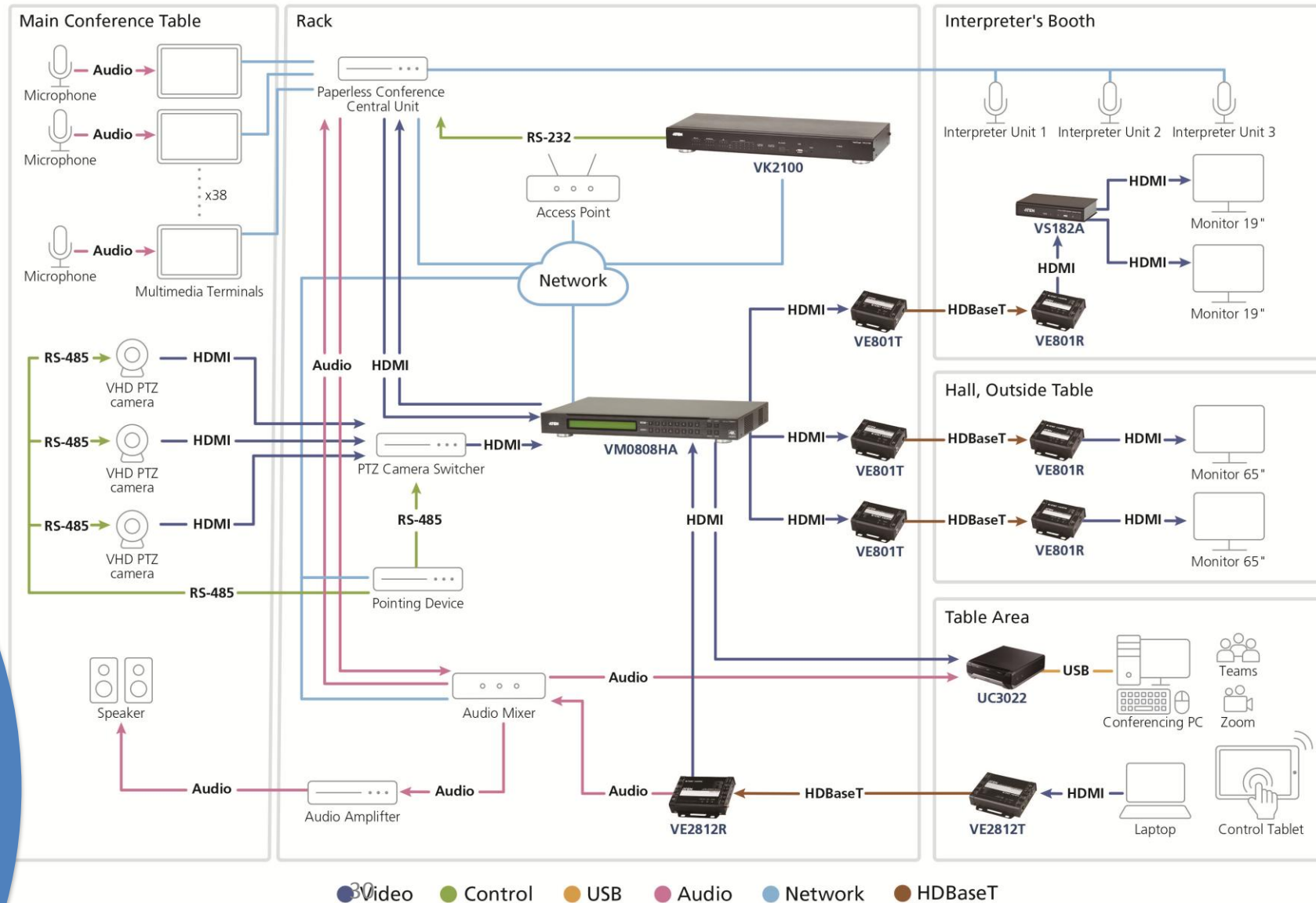
**VE2812T / VE2812R**  
HDMI HDBaseT Transmitter/ Receiver with Audio De-Embedding (4K@100m) (HDBaseT Class A)



**VK2100**  
ATEN Control System - Control Box

# ATEN | Boardroom-03 – Solution Diagram

VM0808HA  
VE801T/R  
VE2812T/R  
VS182A  
VK2100  
UC3022



# ATEN | Multifunction Meeting Space

## 8 AV distribution for 400-seat Auditorium, Oil Company, Republic of Tatarstan

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A large oil company in the Republic of Tatarstan was looking to upgrade the AV distribution system for a large auditorium located at its corporate HQ in Almetyevsk. The 400-seat auditorium is used for corporate events, conferences, and trainings. The solution needed to interoperate with a wide range of 3<sup>rd</sup>-party AV source equipment, including wireless presentation and videoconferencing systems, BYOD laptops for presentations, and various control interfaces. A scaling component was also required, in order to convert various input resolutions into various output display resolutions, giving viewers the best video and picture quality across all displays.





# ATEN | Multifunction Meeting Space

Challenges	The ATEN Solution
<ul style="list-style-type: none"><li data-bbox="239 391 1217 544">■ High-quality and reliable HDMI transmission and extension over long distances throughout a large auditorium</li><li data-bbox="239 562 1217 829">■ Capable of connecting multiple source devices and meeting space equipment, including wireless presentation and video conferencing systems, and providing smooth selection between them</li><li data-bbox="239 848 1217 1001">■ Must be compatible with a variety of display output formats, including LED wall, Presidium and Tribune displays</li></ul>	<p data-bbox="1319 391 2321 1001">The ATEN video matrix switch forms the core of the auditorium’s HDMI distribution system by smoothly interoperating with multiple 3<sup>rd</sup>-party devices and routing HDMI signals via HDBaseT™, while Seamless Switch™ technology provides close-to-zero second switching for real-time video streams, real-time switching, and stable signal transmissions. Proprietary EDID Expert™ technology enables high-quality video performance across different screens, ensuring wide support for displays and sources from a variety of manufacturers.</p>



**“The ATEN solution not only natively supports a variety of displays, but also includes customized firmware for the matrix switch to support the resolution of the LED wall.”**

# ATEN | Multifunction Meeting Space – Products

VM5808H  
VC880  
VE812  
VS184A



**VM5808H**  
8 x 8 HDMI Matrix Switch with Scaler



**VC880**  
HDMI Repeater Plus Audio De-embedder



**VE812**  
HDMI HDBaseT Extender (4K@100m)  
(HDBaseT Class A)



**VS184A**  
4-Port 4K HDMI Splitter



# Multifunction Meeting Space – Solution Diagram

VM5808H  
VC880  
VE812  
VS184A

