



Versatile Multi-in-One Presentation Solutions

ATEN Presentation Switch Series



Corporate Headquarters

ATEN International Co., Ltd.
3F., No.125, Sec. 2, Datung Rd., Sijhih District,
New Taipei City 221, Taiwan
Phone: +886-2-8692-6789 Fax: +886-2-8692-6767
<http://www.aten.com/global/en/>
E-mail: marketing@aten.com

America Region:

ATEN Technology Inc.
15365 Barranca Parkway, Irvine, CA 92618, U.S.A
Phone: +1-949-428-1111 Fax: +1-949-428-1100
<http://www.aten.com/us/en/>
E-mail: sales@aten-usa.com

ATEN New Jersey Inc.
220 Davidson Avenue, Suite 404, Somerset,
NJ 08873, U.S.A
Phone: +1-732-356-1703 Fax: +1-732-356-1639
<http://www.aten.com/us/en/>
E-mail: sales@aten-usa.com

EMEA Region:

ATEN Infotech N.V.
Mijnwerkerslaan 34, 3550 Heusden-Zolder, Belgium
Phone: +32-11-531543 Fax: +32-11-531544
<http://www.aten.com/eu/en/> E-mail: sales@aten.be

ATEN U.K. Limited
466 Malton Avenue, Slough SL1 4QU, U.K.
Phone: +44-1753-539-121 Fax: +44-1753-215-253
<http://www.aten.com/gb/en/> E-mail: sales@aten.co.uk

ATEN Poland Sp. z o. o.
2 Gottlieb Daimler street 02-460 Warsaw, Poland
Phone: +48-514-120-220
<http://www.aten.com/pl/pl/>
E-mail: poland@aten.com

ATEN Russia
Office 14212, No.14 Sereblyakova proezd,
Moscow, Russia.
Phone: +7-495-134-2808
<http://www.aten.com/ru/ru/> E-mail: russia@aten.com

ATEN Info Iletisim Ltd.
Beştepe Mah.Yaşam Cad. 13-A / 76
Yenimahalle Ankara, Turkey
Phone: +90-312-284-00-27 E-mail: turkey@aten.com

Oceania Region:

ATEN ANZ Pty Ltd.
Suite 3. 19, 32 Delhi Road, North Ryde,
NSW 2113, Australia
Phone: +61-2-9114-9933 Fax: +61-2-8072-3723
<http://www.aten.com/au/en/> E-mail: sales@au.aten.com

Asia Pacific Region:

ATEN China Co., Ltd.
18/F, Tower A, Horizon International Tower, No.6,
Zhichun Road, Haidian District, Beijing, China 100088
Phone: +86-10-8296-1301 Fax: +86-10-8296-1318
<http://www.aten.com/cn/zh/> E-mail: sales@aten.com.cn

ATEN Japan Co., Ltd.
Tokyo Headquarters
ATEN Bldg. 8-4, Minami-senjiyu 3-chome, Arakawa-ku,
Tokyo 116-0003, Japan
Phone: +81-3-5615-5810 Fax: +81-3-3891-3810
<http://www.aten.com/jp/ja/> E-mail: info@atenjapan.jp

Osaka Branch
Awajimachi Dai-Building 3F
3-1-9, Awajimachi, Chuo-ku, Osaka-shi, 541-0047, Japan
Phone: +81-6-6229-5810 Fax: +81-6-6229-8810
<http://www.aten.com/jp/ja/> E-mail: info@atenjapan.jp

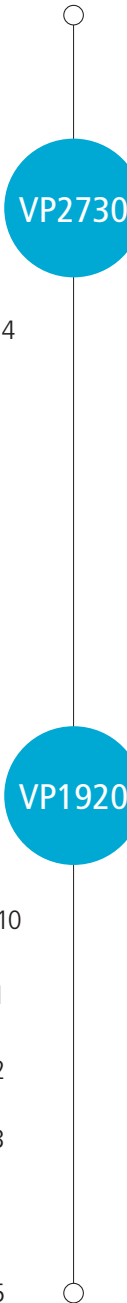
ATEN Korea Co., Ltd.
B-303, Gabeul Great Valley, 60-5, Gasan-dong,
Geumcheon-gu, Seoul, Korea, 153-801
Phone: +82-2-467-6789 Fax: +82-2-467-9876
<http://www.aten.com/kr/ko/> E-mail: sales@aten.co.kr

Atech Peripherals, Inc.
6F., No.133, Sec. 2, Datung Rd., Sijhih District,
New Taipei City 221, Taiwan
Phone: +886-2-8692-6969 Fax: +886-2-8692-6926
<http://www.aten.com/tw/zh/> E-mail: taiwan@aten.com

ATEN India Rep. Office
Unit 406, 4th Floor, Barton Center, M.G. Road,
Bangalore - 560001, India
Phone 1: +91-80-48517231 Phone 2: +91-9686151525
E-mail: South-Asia@aten.com



Contents



2	○	Why the ATEN Presentation Switch Series?
	VP2730	Collaborative Series
3 • 4		7 x 3 Seamless Presentation Matrix Switch with Scaler, Streaming, Audio Mixer and HDBaseT - VP2730
5		Typical Application - Conference Room
6		Typical Application - Lecture Hall
7		Specifications
	VP1920	Core Series
9 • 10		9 x 2 4K Presentation Matrix Switch - VP1920
11		Typical Application - Meeting Room Presentation
12		Typical Application - Flexible Dual Display Classroom
13		Specifications
15	○	Product Comparison

“ For a wide variety of meeting spaces, all you need to do is show up and start presenting! ”

Why the ATEN Presentation Switch Series?

Simplified AV Integration and Control

These multi-in-one solutions are available in a variety of configurations, mixing and matching video matrix switch, audio, extension, streaming and analog-to-digital conversion functions with unique features into one compact enclosure, simplifying AV integration via eliminating the need for numerous individual components and the compatibility challenges that accompany them.

Intuitive OSD and Web GUI

With the user in mind, the series comes with a straightforward and accessible OSD and Web GUI to streamline operation for both local and remote participants.

Versatile Choices for Commercial and Educational Spaces

Models in the series are tailor-made with unique features to satisfy a wide variety of meeting space demands, in meeting rooms, boardrooms, conference rooms, classrooms or other presentation environments.

VP1000 Core Series

Multi-format core solutions deliver high-quality video and audio switching and conversion.

Typical Space

- Presentation Meeting Room
- Training Room
- Interactive Learning Classroom

VP2000 Collaborative Series

Collaborative presentation solutions facilitate distance-free content sharing with advanced audio.

Typical Space

- Conference Room
- Boardroom
- Lecture Hall

VP2730

Collaborative Series

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

Facilitating Seamless Distance-free Collaboration

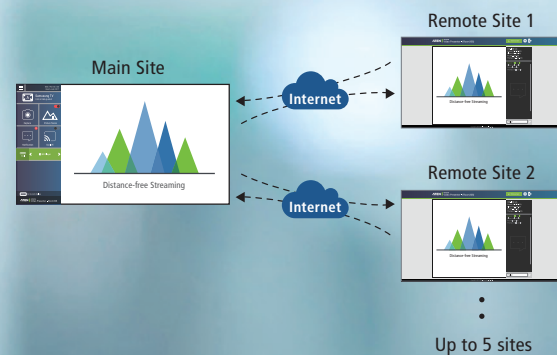
VP2730 is a multi-in-one presentation switch integrating **video matrix switch with scaler, streaming, audio mixer, HDBaseT extender** and analog-to-digital converter functions into one compact device.

With seven multi-format inputs to two HDMI and one HDBaseT high definition outputs, VP2730 empowers larger meetings and facilitates collaboration between local and remote participants in boardrooms, conference rooms, lecture halls or distance learning classrooms.

• Bi-directional Distance-free Streaming

Expedite collaboration with bi-directional content streaming. Go live to stream out HD video or stream in content from a remote site via an intuitive web GUI*.

- * 1. Up to five remote sites can connect; only one site can stream in at a time.
- 2. Streaming out requires a bandwidth of 2 MB or more



• Ultra Seamless Switch with Scaler

Zero second switching without any latency while scaling for the best output resolution ensures extra smooth presentations.



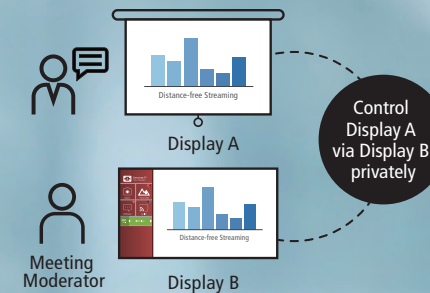
• Built-in Audio Mixer

Supports dynamic and condenser microphone input with selectable 48V Phantom Power and allows microphone input to be mixed with program audio.



• Moderator Mode

The meeting moderator can control any output display remotely and discretely without interrupting the meeting flow.



• Multi-view Flexibility

Display and switch simultaneously up to six sources in PiP (picture in picture), PbP (picture by picture), quad-view mode and more.



Typical Applications



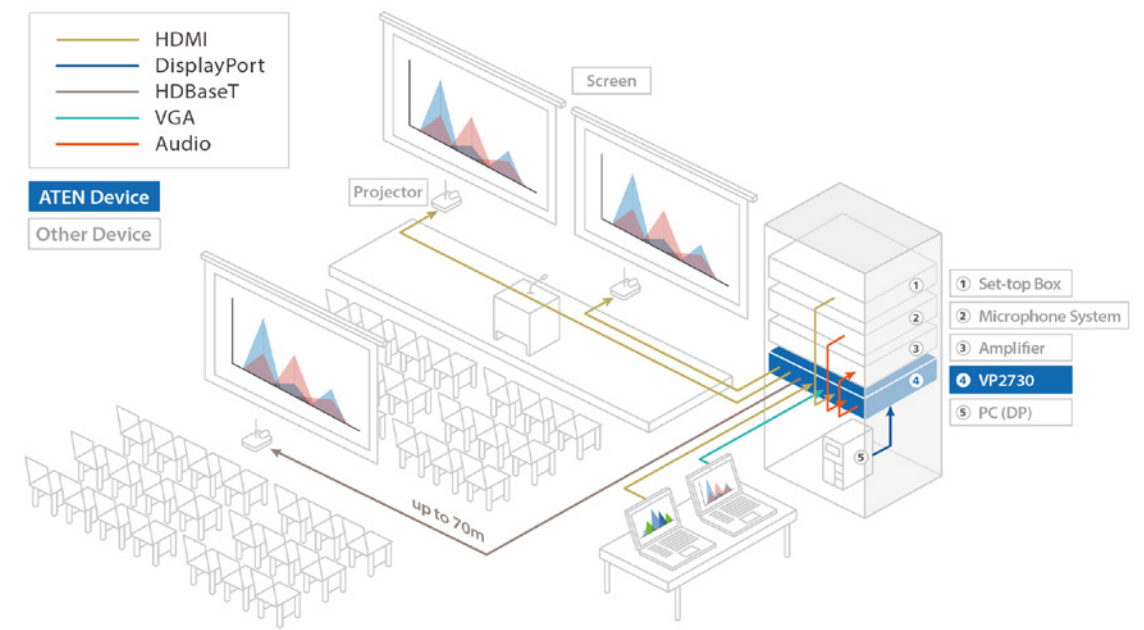
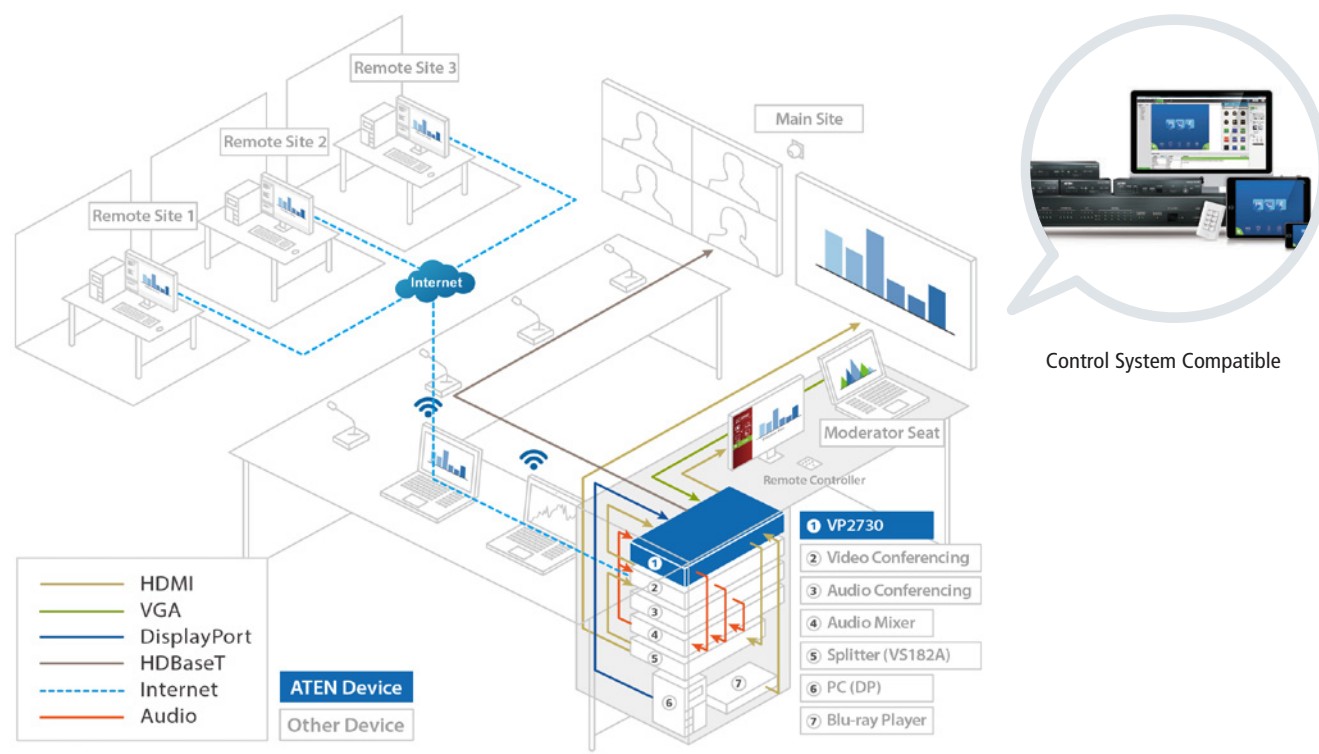
Conference Room

Challenges	Solutions
Need to integrate various sources that use different analog/digital interfaces	➔ A compact device that consolidates multiple source formats
Easy content sharing and collaboration between onsite and remote users.	➔ VP2730 enables simple content streaming in and out via Web GUI for small-scale meetings. It can also easily integrate with advanced AV conferencing systems for large-scale meetings
A meeting moderator needs to manage output displays without interrupting the meeting	➔ Moderator Mode lets the moderator discretely access any output display to switch content or change settings
Need to extract audio and connect to the existing audio system	➔ Supports audio embedding and de-embedding
Want to overlay the microphone input on top of other audio sources for collaboration	➔ Supports mixing the microphone inputs with any external analog or digital audio source



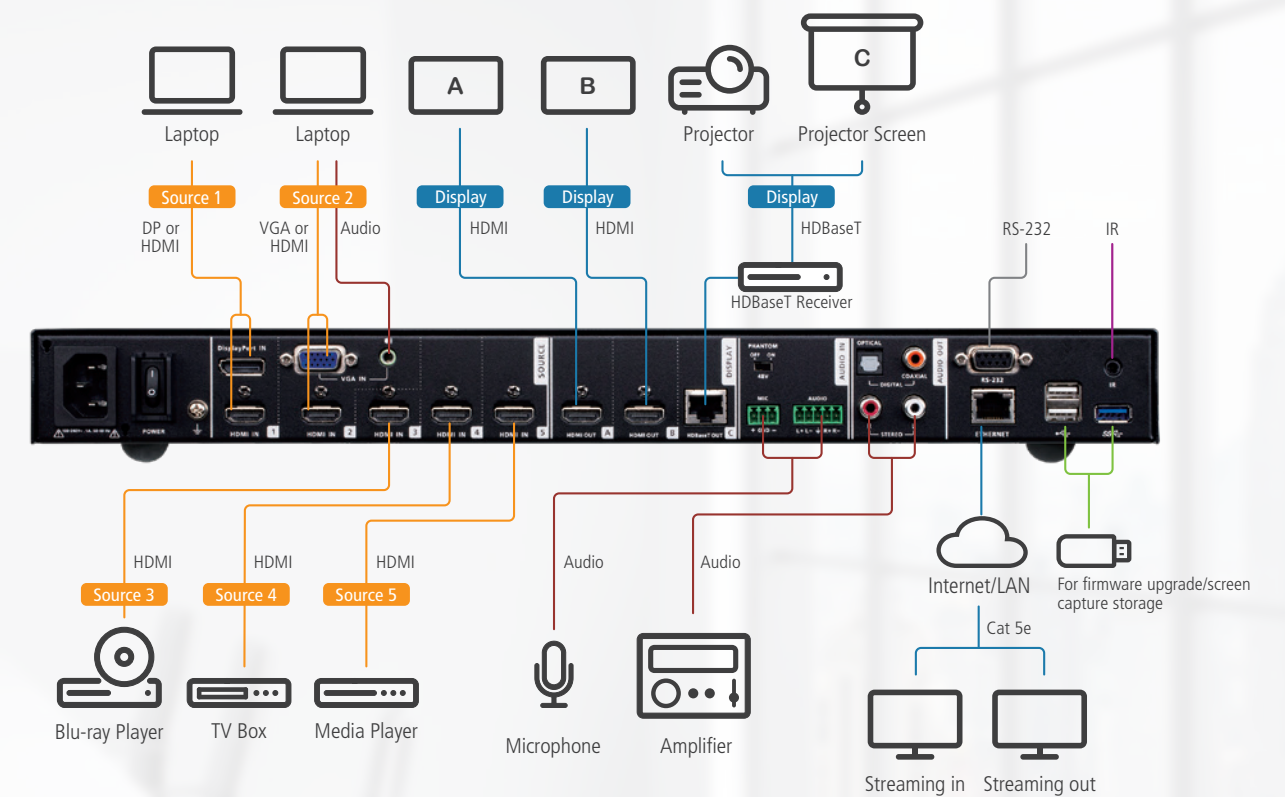
Lecture Hall

Challenges	Solutions
Displays can be located up to 70 meters away	➔ Long distance extension via HDBaseT
No black screens when switching sources	➔ Zero second ultra seamless switching among sources
Need to extract audio and connect to the venue audio system	➔ Supports audio embedding and de-embedding
Want to overlay the microphone inputs on top of other audio sources for lectures	➔ Supports mixing the microphone inputs with any external analog or digital audio source



Specifications

Functions	VP2730
Video Input	
Interfaces	5 x HDMI Type A female (Black); 1 x DP Female (Black); 1 x HDB-15 Female (Blue)
Video Output	
Interfaces	2 x HDMI Type A female (Black); HDBaseT: 1 x RJ-45 Female (Silver)
Max. Distance	HDMI: Up to 15m HDBaseT: Up to 1080p@60m (Cat 5e/6) / 70m (Cat 6a/ATEN 2L-2910 Cat 6)
Video	
Max. Resolution	HDMI/DP: Up to 1080p@60Hz; VGA/Analog: Up to 1920x1200@60Hz
Compliance	HDMI/DP: HDCP 1.4 Compatible; Consumer Electronics Control (CEC)
Audio	
Input	Stereo Audio: 1 x mini stereo Jack female (Green) Balance Audio: 1 x Captive Screw Connector, 5-pole Microphone: 1 x Captive Screw Connector, 3-pole
Output	Optical Audio: 1 x Toslink (Black), Coaxial Audio: 1 x RCA female (Orange), Stereo Audio: 2 x RCA female (White / Red)
Connectors	
Console Ports	USB 2.0: 2 x USB Type A Female (White); USB 3.0: 1 x USB Type A Female (Blue)
Power	1 x 3-prong AC Socket
Control	
RS-232	1 x DB 9 female (Black)
IR	1 x Mini Stereo Jack Female (Black)
Ethernet	1 x RJ-45 Female (Silver)
Switches	
Power	1 x Pushbutton; 1 x Rocker
Video Input Port Selection	Video In: 5 x Pushbutton; Streaming In: 1 x Pushbutton
Video Output Port Selection	3 x Pushbutton
Selection	Multiview: 1 x Pushbutton, Menu: 1 x Pushbutton, Left: 1 x Pushbutton, Up (Unlock): 1 x Pushbutton, Right: 1 x Pushbutton, Go Live: 1 x Pushbutton, Mute: 1 x Pushbutton, Esc: 1 x Pushbutton, Down: 1 x Pushbutton, Enter: 1 x Pushbutton
Phantom power	1 x Slide Switch
LEDs	
Video	Source 1: HDMI/DP: 2 (Green); Source 2: HDMI/VGA: 2 (Green)
Video Output	Go Live: 3 (Amber)
EDID Settings	
EDID Mode	ATEN Default / Display A
Power	
Maximum Input Power Rating	100 - 240 VAC; 50 - 60Hz; 1.0A
Power Consumption	
AC 110V	28.5W; AC 220V: 27.3W
Environmental	
Operating Temperature	0 - 40° C
Storage Temperature	-20 - 60° C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	3.70 kg
Dimensions (L x W x H)	43.24 x 26.28 x 4.40 cm



VP1920

Core Series

9 x 2 4K Presentation Matrix Switch

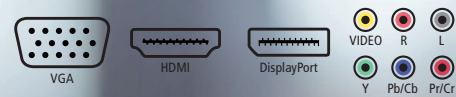
Empowering Multi-format 4K Presentations

The ATEN VP1920 is a 3-in-1 presentation switch integrating video matrix switching, audio processing and analog-to-digital conversion. With nine inputs to two 4K outputs, it is designed to boost the efficiency and impact of professional presentations.

With streamlined control from front panel pushbuttons, IR remote controller, OSD and RS232, the VP1920 reduces not only system device count, but also lowers operation complexity. It is suitable for all small-to-medium sized corporate and education presentation environments, such as meeting rooms, classrooms, training rooms, or any other presentation setting, such as in exhibition centers or hotels.

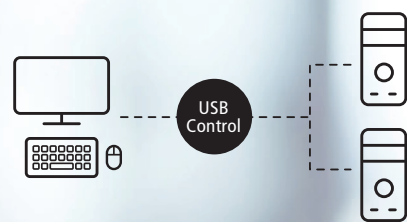
• Multi-format AV Fast Switching

Fast switching among 6 HDMI and 3 combo inputs (HDMI/VGA, HDMI/DisplayPort, HDMI/Component/Composite) to 2 HDMI outputs and supports Coaxial, Toslink, Stereo audio outputs.



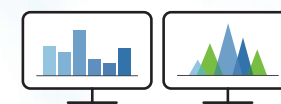
• USB Control Routing for PCs and Touch Panels

USB ports integrate PC and touch panel controls with other devices into one system. Independent switching of USB peripheral ports and keyboard/mouse control focus.



• Selectable Matrix, Mirror and PIP* Modes

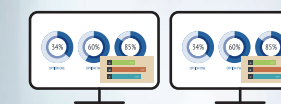
Three different display modes meet the needs of various events or presentation styles.



Matrix Mode



Mirror Mode



PIP (Picture in Picture) Mode*

• Source Preview*

Quickly identify and switch to your target content. No more guessing which port connects to which content source.



*Supports up to 1080p

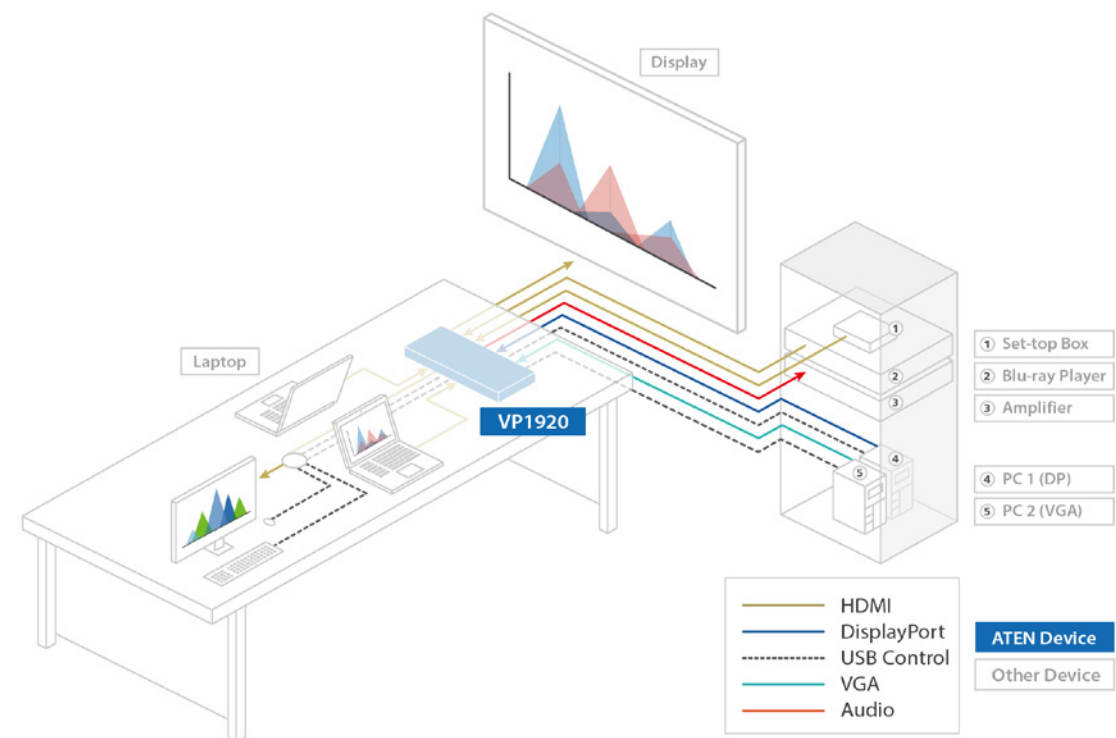


Typical Applications



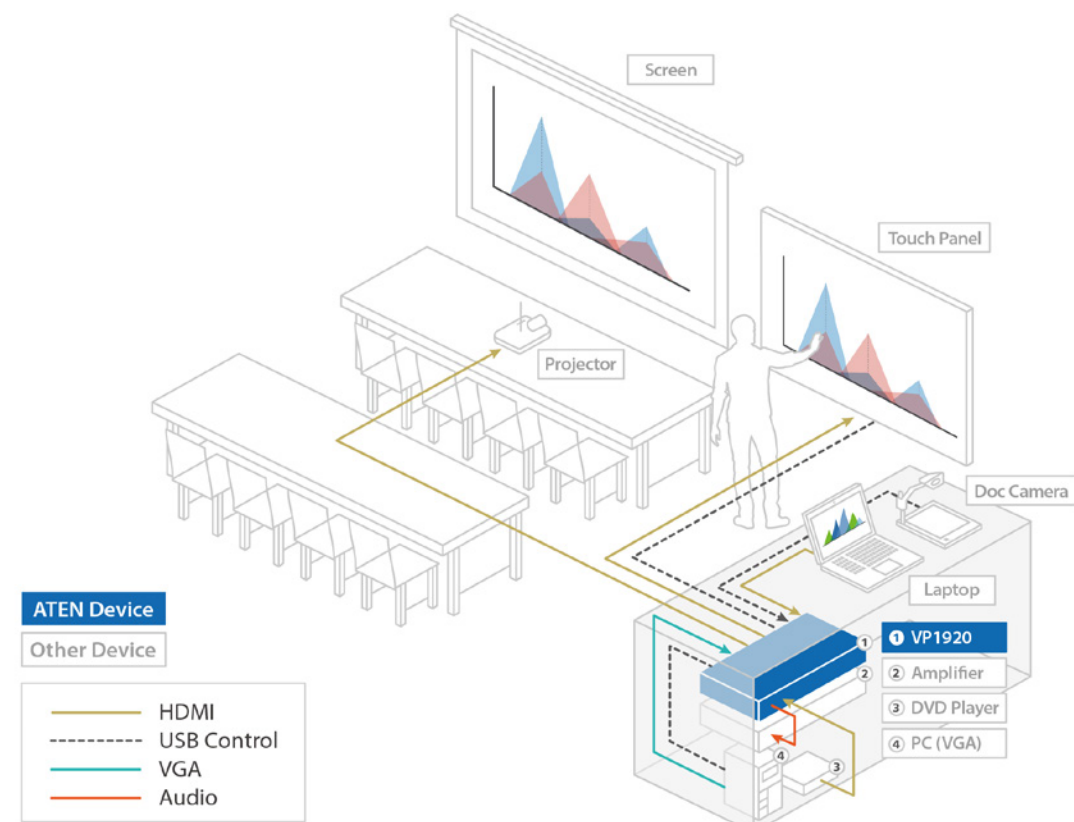
Meeting Room Presentation

Challenges	Solutions
Need to integrate various sources that use different analog/digital interfaces	➔ A compact device that consolidates multiple source formats
The meeting room needs to be PC-equipped for participants without laptops	➔ Integrates USB control functionality into one device and can switch the control focus independently to control two PCs
The meeting moderator needs to manage two PCs with a single keyboard/mouse	➔ Multi-in-one presentation switch minimizes system device count and removes potential compatibility issues



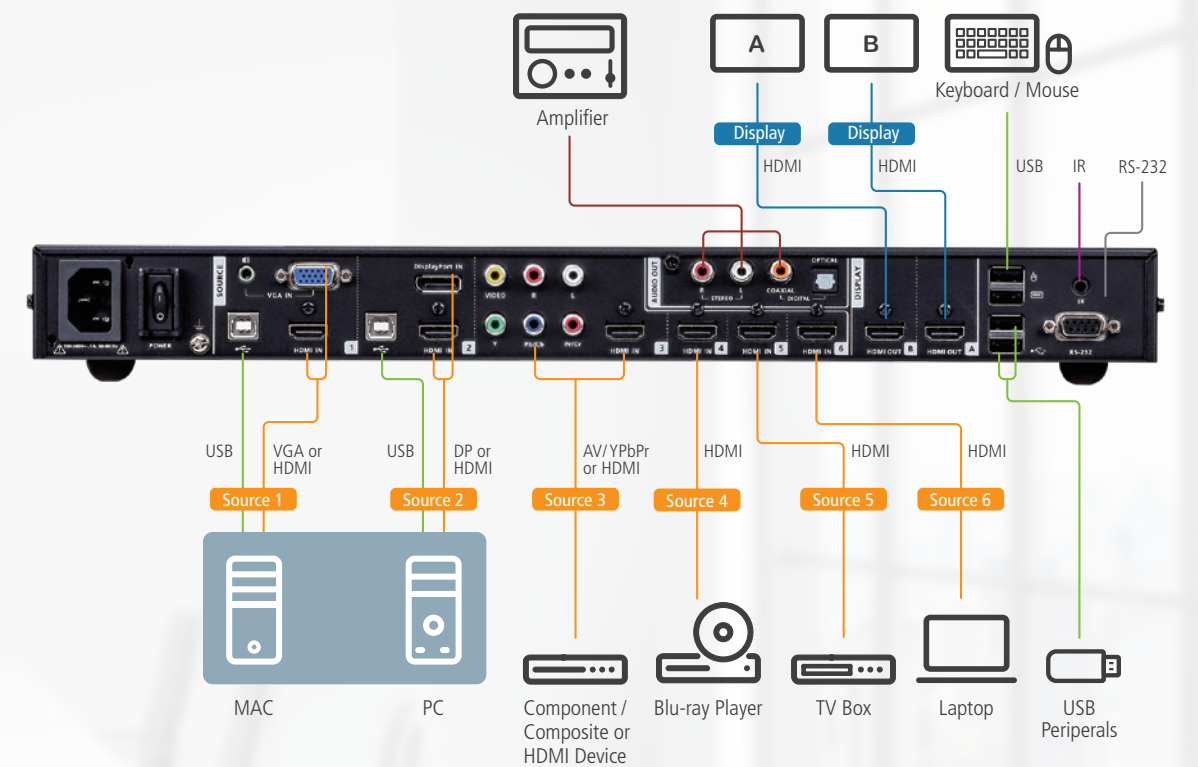
Flexible Dual Display Classroom

Challenges	Solutions
Need to connect equipment with a mix of legacy and newer interfaces, including document camera, touch panel, set-top box, audio amplifier, and more	➔ A compact device that consolidates multiple source formats and integrates easily with a digital podium
Require matrix display of different sources on two screens	➔ VP1920 supports matrix display mode
Need to show the interactive touch panel content on a larger projector screen for the class	➔ Easily integrates a touch panel into one system and mirrors the content to the projector screen
Want a simple configuration solution to avoid possible compatibility issues	➔ Simplifies system build by reducing the number of extra switches / converters / USB extenders



Specifications

Functions	VP1920
Video Input	
Interfaces	6 x HDMI Type A female (Black); 1 x DP Female (Black) 1 x HDB-15 Female (Blue); 1 x Component (3x RCA female, Blue/Green/Red); 1 x Composite (1x RCA female, Yellow)
Video Output	
Interfaces	2 x HDMI Type A female (Black)
Max. Distance	Up to 15m
Video	
Max. Resolution	HDMI/DP: Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4) VGA/Analog: Up to 1920x1200@60Hz
Compliance	HDMI (3D, Deep Color, 4K) HDMI/DP: HDCP 1.4 Compatible; Consumer Electronics Control (CEC)
Audio	
Input	Stereo Audio: 1 x mini stereo Jack female (Green) Composite/Component Audio: 2 x RCA female (Red/White)
Output	Optical Audio: 1 x Toslink (Black); Coaxial Audio: 1 x RCA female (Orange) Stereo Audio: 2 x RCA female (White / Red)
Connectors	
Computers	2 x USB Type B Female (White)
Console Ports	Keyboard/Mouse: 2 x USB Type A Female (White) Device: 2 x USB Type A Female (White)
Power	1 x 3-prong AC Socket
Control	
RS-232	1 x DB 9 female (Black)
IR	1 x Mini Stereo Jack Female (Black)
Switches	
Power	1 x Pushbutton; 1 x Rocker
Video Input Port Selection	6 x Pushbutton
Video Output Port Selection	2 x Pushbutton
Selection	Mode: 1 x Pushbutton; Menu: 1 x Pushbutton; Up (Unlock): 1 x Pushbutton Esc: 1 x Pushbutton; Audio: 1 x Pushbutton; Preview: 1 x Pushbutton Down: 1 x Pushbutton; Enter: 1 x Pushbutton
LEDs	
Video	Source 1: HDMI/VGA: 2(Green); Source 2: HDMI/DP: 2(Green) Source 3: HDMI/AV/YPbPr: 2(Green)
USB Link	Keyboard/Mouse: 2 (Amber); Device: 2 (Amber)
EDID Settings	
EDID Settings	DID Mode: Default / Port 1 / Remix
Power	
Maximum Input Power Rating	100 - 240 VAC; 50 - 60Hz; 1.0A
Power Consumption	110 VAC, 7.3W ; 220 VAC, 7.3W
Environmental	
Operating Temperature	0 - 40° C
Storage Temperature	-20 - 60° C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	2.36 kg
Dimensions (L x W x H)	43.72 x 16.36 x 4.40 cm



Product Comparison

Model	VP1920	VP2730
		
Max Resolutions	HDMI/DP: Up to 4K@60Hz (4:2:0); 4K@30Hz (4:4:4) VGA/Analog: Up to 1920 x 1200@60Hz	HDMI/DP: Up to 1080p@60Hz VGA/Analog: Up to 1920 x 1200@60Hz
HDCP	HDCP 1.4	HDCP 1.4
Video Inputs		
HDMI	6	5
DisplayPort	1	1
VGA	1	1
Component	1	N/A
Composite	1	N/A
Video Outputs		
HDMI	2	2
HDBaseT	N/A	1
Audio Inputs		
VGA In	1*Stereo	1
Line In	N/A	1*Balanced
Phantom Powered Microphone Support	N/A	•
Audio Outputs		
RCA	1 (R/L)	1 (R/L)
Toslink	1	1
Coaxial	1	1
Features		
Keyboard/Mouse PC Control	•	N/A
Streaming In	N/A	•
Streaming Out	N/A	•
Switching	Fast Switching	Ultra Seamless Switching
Scaling	N/A	•
Preview	•	•
Picture in Picture (PIP)	•	•
Multiview (PbP, Quad view)	N/A	•
Auto Switching	•	•
Audio embedding/de-embedding	•	•
Typical Applications	Presentation Meeting Room Training Room Classroom	Conference Room Boardroom Lecture Hall