

4x2 True 4K HDMI Presentation Switch with Multi View VP2420

The VP2420 is a presentation switch featuring 4 HDMI inputs and 2 HDMI outputs and is capable of displaying video content in full screen, PiP, PbP, triple/quad multi-view. With display mode (Matrix/Mirror) and layout mode (Auto/Manual) selectable and its capability of seamless switching* among multiple sources, the VP2420 delivers a dynamic viewing experience in any conference settings. In addition to the support for 4096 × 2160/3840 × 2160 @ 60Hz (4:4:4), a True 4K scaler is also built in the device to ensure crisp and detailed visual quality. Thanks to the audio embedding and de-embedding functionalities, users can adapt suitable audio/video combinations based on various environments.

Designed with flexibility in mind, the VP2420 offers versatile control options including front-panel pushbuttons, RS-232, IR, Telnet, Web GUI, and ATEN Video Presentation Control mobile app, allowing multimedia signals to be easily managed and incorporated into a collaborative event. The VP2420 can be cascaded up to 2 levels by connecting additional 4 VP2420 units to reach the maximum of 16 HDMI video sources being simultaneously displayed on a single screen. Rack-mounting is supported for flexible installation. With a set of features coming in a compact, all-metal casing, which enhances durability, the VP2420 serves as a perfect solution for smooth presentation flow and seamless transition in any education or commercial conferencing applications.

Note: The function is only available on Display A and applicable to single port switching. Multiview layout switching is inapplicable.



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE



Front View



Rear View



Features

Seamless AV Matrix Switching

- Supports 4 × HDMI inputs and 2 × HDMI outputs
- Supports Multi-view (full screen, PiP, PbP, triple/quad multi-view), Matrix/Mirror display modes, and Auto/Manual layout modes
- Supports audio embedding and de-embedding
- Seamless switching* at near-zero-second speed
- Auto switching — automatically detects and switches to the latest active source connection

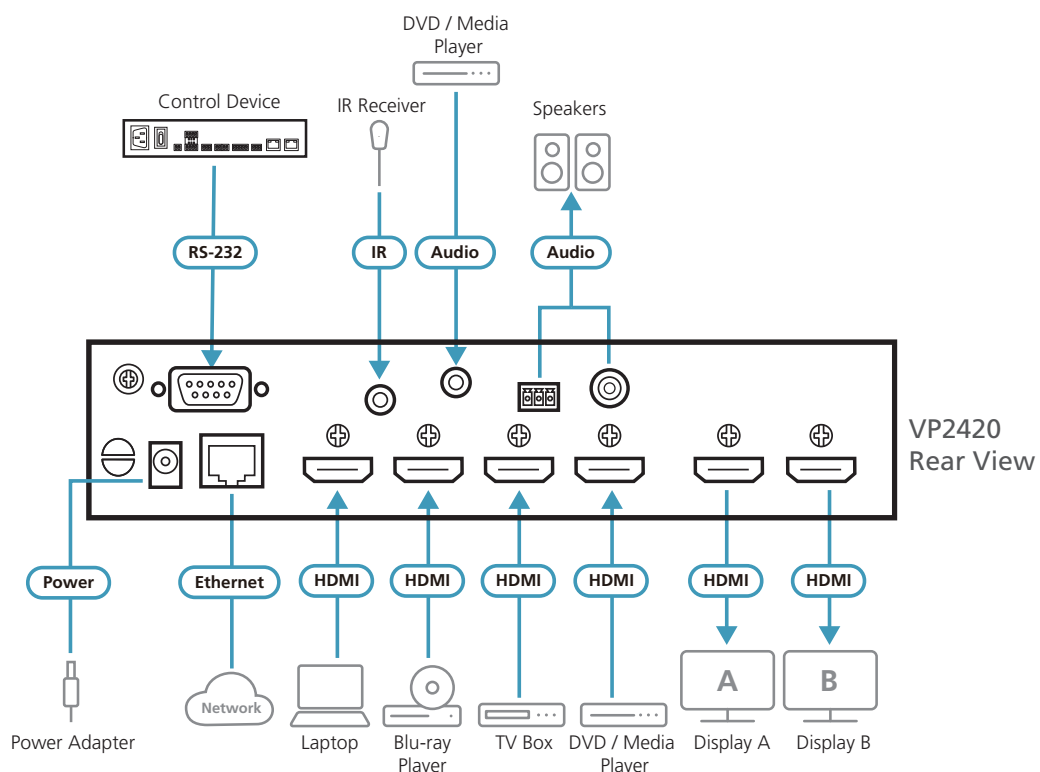
Visually Stunning True 4K Outputs

- Supports up to 4096 × 2160/3840 × 2160 @ 60Hz (4:4:4) and 4K HDR
- Built-in True 4K scaler — supports video upscaling to True 4K
- EDID Expert™ — automatically selects the optimum EDID settings for smooth power-up, high-quality display, and the best video resolution across connected devices
- HDMI (Deep Color, 4K); HDCP 2.2 compliant

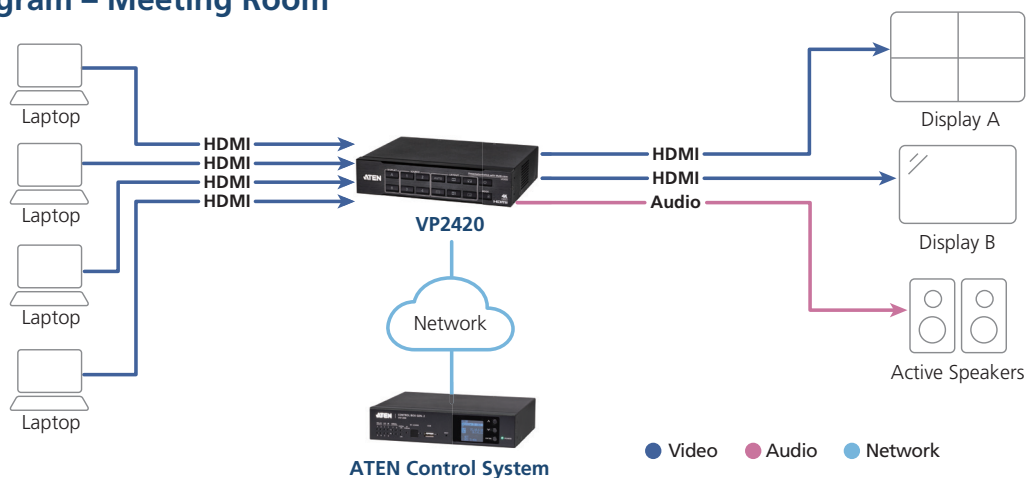
The Ultimate Flexibility in Streamlining Operation

- Multiple control options — front-panel pushbuttons, RS-232, IR, Telnet, Web GUI, and ATEN Video Presentation Control mobile app
- Consumer Electronics Control (CEC)
- Can be cascaded up to 2 levels by connecting additional 4 VP2420 units to reach the maximum of 16 video sources being simultaneously displayed
- Long distance transmission — up to 5m via a High Speed HDMI cable
- Supports stand-by mode for power saving and fast waking up
- Rack-mountable
- All-metal casing enhances durability

Note: The function is only available on Display A and applicable to single port switching. Multiview layout switching is inapplicable.



Scenario Diagram – Meeting Room



Specifications

	VP2420
Video Input	
Interfaces	4 x HDMI Type A female (Black)
Max. Distance	HDMI: 4K@60Hz (4:4:4) @ 5m; 4K@30Hz @ 10m; 1080p@60Hz @ 15m
Video Output	
Interfaces	2 x HDMI Type A female (Black)
Max. Distance	HDMI: 4K@60Hz (4:4:4) @ 5m; 4K@30Hz @ 10m; 1080p@60Hz @ 15m
Video	
Max. Resolution	HDMI: Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4)
Compliance	HDMI (Deep Color, 4K); 4K HDR; HDCP 2.2 Compatible; Consumer Electronics Control (CEC)
Audio	
Input	Stereo Audio (HDMI): 1 x mini stereo Jack female (Green)
Output	Line Out (Unbalanced): 1 x Captive Screw Connector, 3-pole (PCM 2CH) Digital Audio: 1 x Coaxial (LPCM 2CH, Dolby Digital, DTS)
Control	
RS-232	1x DB-9 Female (Black); VP device control & configuration
IR	1 x Mini Stereo Jack Female (Black)
Ethernet	1 x RJ-45 Female (Silver)
Switches	
Power	1 x Pushbutton (LED: Green / Orange)
Video Input Port Selection	4 x Pushbutton (LED: Green)
Video Output Port Selection	2 x Pushbutton (LED: Orange)
Multi-view Mode	Layout: 6 x Pushbuttons (Full Screen, PiP, PbP, Triple/ Quad multi-view)
Selection	Mute: 1 x Pushbutton; Mode / Unlock: 1 x Pushbutton
EDID Settings	EDID Mode: ATEN Default / Display A / Remix
Connectors	
Power	1 x DC Jack (Black)
Power Consumption	DC 12V; 17.1W
Environmental	
Operating Temperature	0 – 40 °C
Storage Temperature	-20 – 60 °C
Humidity	0 – 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	1.05 kg
Dimensions (L x W x H)	20 x 16.05 x 4.4 cm

ATEN International Co., Ltd.

3 F., No. 125, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221424, Taiwan (R.O.C.)
 Phone: 886-2-8692-6789 Fax: 886-2-8692-6767
 www.aten.com E-mail: marketing@aten.com

Product information is subject to change without prior notice.

Released: 08/2025 V3.0

© Copyright 2025 ATEN® International Co. Ltd.
 ATEN and the ATEN logo are registered trademarks of ATEN International Co., Ltd.
 All rights reserved. All other trademarks are the property of their respective owners.
 The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the
 HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

