

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. Up to 4 VP2420 can be cascaded to display up to 16 HDMI signals at once on a single screen, expanding video source quantity. 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

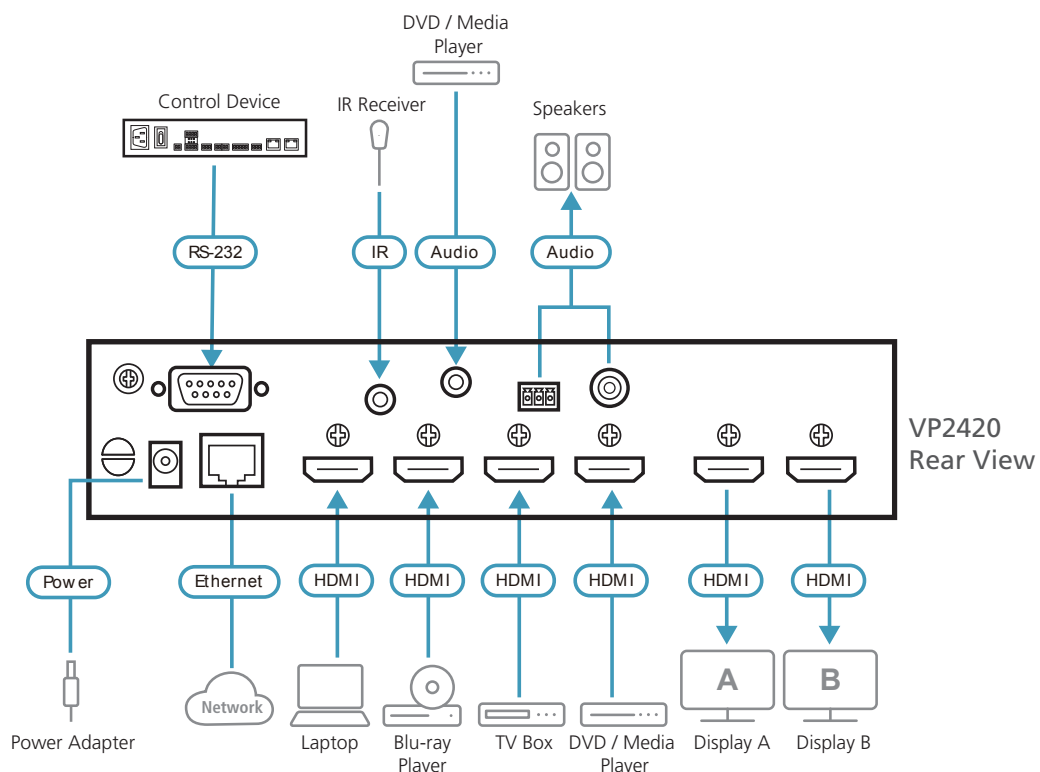
Visually Stunning True 4K Outputs

- 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)
- Up to 4 × VP2420 cascable — displays up to 16 signals on one screen simultaneously
- 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.



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	1.08 kg
Dimensions (L x W x H)	20 x 16.05 x 4.4 cm

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