Two-Input Wall Plate Switcher for HDMI and VGA with Ethernet-Enabled HDBaseT Output

AT-HDVS-200-TX-WP

The AT-HDVS-200-TX-WP is a 2×1 wall plate switcher for HDMI and VGA inputs with HDBaseT output. It features a US, two-gang, Decora form factor with one HDMI and one VGA input with an always-on 3.5mm audio connector. HDMI signals up to 4K/UHD @ 60Hz (YUV 4:2:0 color sub-sampling), VGA input signals up to 1920×1200, embedded audio, and control signals can be extended up to 328 feet (100 meters). The switcher receives power from the AT-HDVS-200-RX scaler via Power over Ethernet and together they create a standalone AV switching and control system with scaling for classrooms and huddle rooms. Display control and volume commands are transmitted via CEC, IP, or RS-232 to any display, control system, switcher or other controllable device.

The AT-HDVS-200-TX-WP can be the central component of a small, automated AV system. Automatic display control turns-on the display automatically whenever a source is connected. When the source is removed, the display is turned off. Volume is controlled by using the front panel or other control signals. Automatic input selection on the AT-HDVS-200-TX-WP works by sensing the presence of any video signal. With automatic input selection, manual control systems can be eliminated.

Using the AT-PS-POE, it can connect directly to Atlona HDBaseT receivers such as the AT-UHD-EX-100CE-RX or projectors with HDBaseT inputs, enabling simplified control and adding legacy VGA inputs at the HDVS.

2×1 HDBaseT™ switcher -

- Features one HDMI input plus a VGA input with 3.5mm audio connector
- Allows advanced HDMI display devices to be used with legacy VGA sources

Front panel Input Select, Display On/Off, and Volume Control buttons -

- Offers convenient user features to override auto-switching when two active sources are present plus display and volume control
- Simple manual controls allow presenter to maintain control of AV system

Automatic input selection using video signal detection technology -

- Selects active input when sources are connected
- Eliminates need for complex control system in AV systems

Automatic display control -

- Automatically changes projector power state based on active or standby mode of switcher. Control signals to display are transmitted via CEC. IP, RS-232
- Eliminates need for a complex control system in small AV systems. CEC enables control of low-cost consumer displays

TCP/IP and RS-232 control of switcher -

- Flexible control options for compatibility with third-party control systems. RS-232 controlled from HDBaseT connection
- Reduces integration time and costs

Ethernet-enabled, HDBaseT extension -

- One Ethernet connection connects both TS and RX for control and management. Transmits IP and HDMI up to 328 ft. (100m)
- Uses easy-to-integrate category cable for low-cost, reliable system installation. Enables control of switchers (CLSO-824)

70 Daggett Road, San Jose, CA 95134
US Toll-free: +1.408.962.0515, International: +41.43.508.4321
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Specifications

Video Resolutions

Video	4096x2160@24/25/30/50*/60Hz*, 3840x2160@24/25/30/50*/60Hz* (UHD), 2048x1080p, 1080p@23.98/24/25/29.97/30/50/59.94/60Hz, 1080i@50/59.94/60Hz, 720p@50/59.94/60Hz, 576p, 576i, 480p, 480i
VESA	2560x2048, 2560x1600, 2048x1536, 1920x1200, 1680x1050, 1600x1200, 1600x900, 1440x900, 1400x1050, 1366x768, 1360x768, 1280x1024, 1280x800, 1280x768, 1152x864, 1024x768, 800x600, 640x480 (VGA input limited to a max of 1920x1200)
Color Space	YUV, RGB
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0*
Color Depth	8-bit, 10-bit, 12-bit

Audio

Analog IN	PCM 2Ch
HDMI IN / HDBaseT OUT	PCM 2Ch, LPCM 5.1, LPCM 7.1, Dolby Digital, DTS 5.1, Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos
Sample Rate	32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz
Bit Rate	up to 24-bit

Distance

CAT5e/6 @ 4K	up to 70M	up to 230 ft
CAT5e/6 @ 1080p	up to 100M	up to 328 ft
CAT6a/7 @ 4K	up to 100M	up to 328 ft

Signal

Bandwidth	10.2 Gbps
CEC	Yes
HDCP	1.4

Temperature

Operating	0°C to 50°C	32°F to 122°F
Storage	-20°C to 60°C	-4°F to 140°F
Humidity	20 to 90% non-condensing	

Power

Consumption	TBD

Dimension

Wall	2 gang (US)

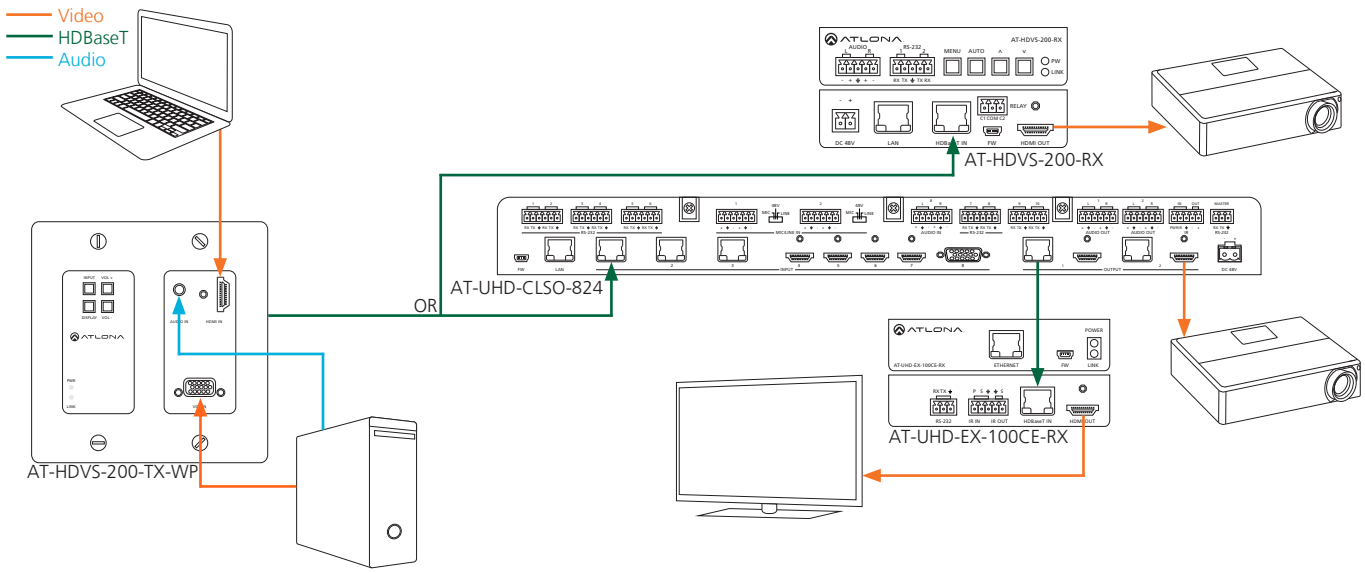
Weight

Device	0.23 kg	0.5 lbs

Certification

Product	CE, FCC

*4096x2160@50/60Hz & 3840x2160@50/60Hz supported @ chroma subsampling 4:2:0 8-bit only



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