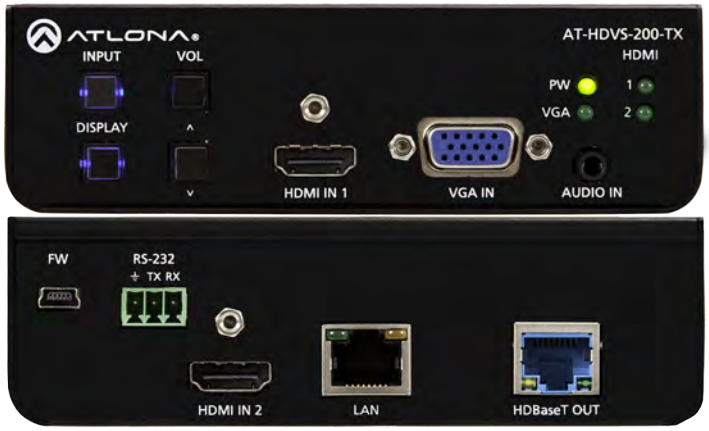
Three-Input Switcher for HDMI and VGA Inputs with Ethernet-Enabled HDBaseT Output

AT-HDVS-200-TX



The Atlona AT-HDVS-200-TX is a 3×1 switcher with display control for HDMI and VGA transmission over Ethernet-enabled HDBaseT™. It features two HDMI inputs and a VGA input with 3.5mm audio connector. The AT-HDVS-200-TX combines the benefits of a switcher with built-in auto-switching and the advantages of extended-distance HDBaseT signal transmission over a single cable. HDMI signals up to 4K/UHD @ 60Hz 4:2:0 with embedded audio, VGA input signals up to 1920x1200, and control signals can be extended up to 328 feet (100 meters). The switcher enables automatic display on/off, auto-switching, volume control, third-party control, plus other control features. The switcher receives power via Power over Ethernet and together with the AT-HDVS-200-RX creates a standalone AV switching system with scaling for classrooms and huddle rooms. HDVS-200 series devices are also useful as components in larger systems utilizing switchers such as the AT-UHD-CLSO-824 matrix switcher where they are used as input/output modules. Button pushes are transmitted via IP to any IP based control system or IP controllable device. When used with the AT-HDVS-200-RX, IP commands are converted to RS-232 or CEC commands for use with most displays.

The HDVS-200 Series is a simple audio visual system with auto-switching for HDMI and VGA inputs, projector on/off control, analog audio de-embedding, volume control, and a scaler. It is a premium upgrade to the HDVS-150 Series offering functions that enable IP management, and other advanced installation functions including multiple RS-232 ports, a contact closure port for screen control, CEC display control for consumer displays and Ethernet-enabled (100 m) HDBaseT performance. The HDVS-200 Series incorporates many integrator-requested features while still maintaining overall value.

3×1 HDBaseT™ switcher -

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

Ethernet enabled, HDBaseT extension -

- Transmits IP and HDMI signals up to 328 ft (100m) @ 1080p and 328 ft (100m) @ 4K/UHD using CAT6a/7 cable
- Uses easy-to-integrate category cable for low-cost, reliable system installation

Auto-switching -

- Selects active input when sources are connected or if there is a change in source power status
- Eliminates need for complex control systems in small AV systems

TCP/IP and RS-232 control -

- Flexible control options for compatibility with 3rd-party control systems. RS-232 controlled from HDBaseT connection.
- Reduces integration time and costs

Auto display control -

- Automatically changes projector power state based on active or standby mode of scaler. Control signals transmitted via IP, RS-232, or CEC
- Eliminates need for complex control system in small AV systems. Enables display and volume control with AT-UHD-CLSO-824. CEC enables control of many low-cost consumer displays.

Front panel input select button -

- Overrides auto-switching when two active sources are present
- Simple manual control allows presenter to maintain control of AV system

Front panel display on/off control -

- Remotely controls display power state; provides alternate 'Display Mute' mode
- Eliminates need for manual operation of display or use of IR remote control

Front panel volume control -

- Remotely controls audio volume; provides 'Mute' mode
- Eliminates need for manual operation of display or use of IR remote control

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AT-HDVS-200-TX

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	30W (when paired)

Dimension

H x W x D	38 x 127 x 102 (mm)	1.5 x 5 x 4.02 (inch)

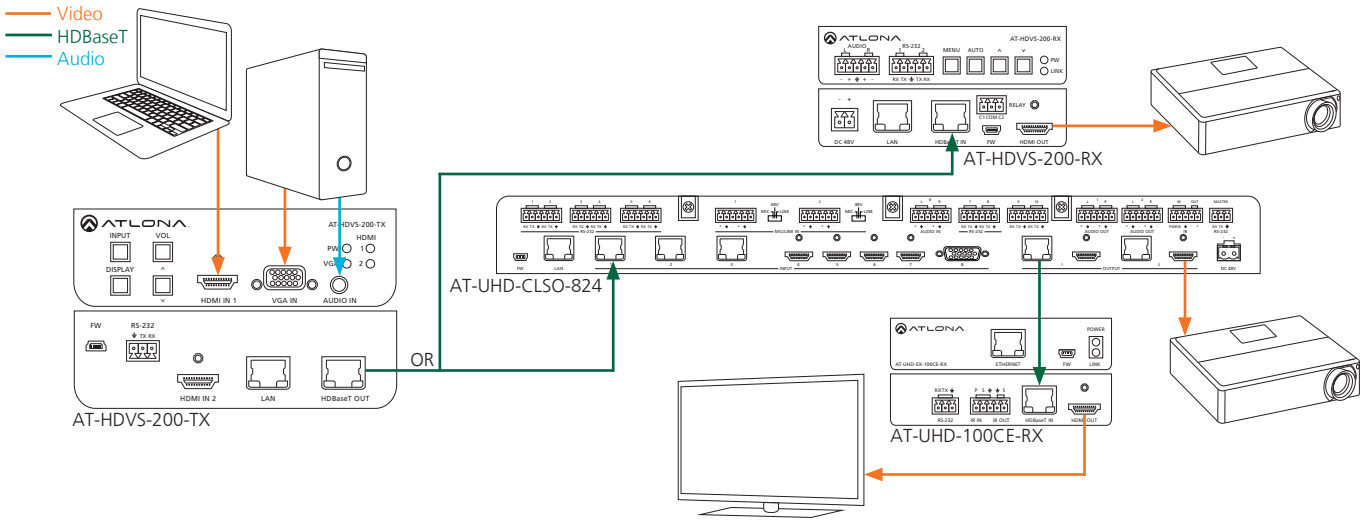
Weight

Device	0.29 kg	0.64 lbs

Certification

Product	CE, FCC

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



Specifications and availability subject to change without notice. Actual products, product images, and online product images may vary from images shown here. Not responsible for typographical errors.

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