Introduction

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 with embedded audio, VGA input signals up to 1920x1200, and control signals can be extended up to 330 feet (100 meters). The switcher enables automatic display on/off, auto-switching, third-party control, plus other control features. The switcher receives power from the AT-HDVS-200-RX scaler receiver via Power over Ethernet and together they create 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 Atlona **AT-HDVS-200-TX-PSK** is identical to the AT-HDVS-200-TX, with the addition of local powering capability and an external power supply. This makes it ideal for extending AV and control directly to a projector with an HDBaseT input. The AT-HDVS-200-TX-PSK can serve as the central component of a small, automated AV system through automatic input selection, and by sending RS-232 or Ethernet control commands to the projector. With automatic display control capability, the AT-HDVS-200-TX-PSK can power the projector on or off whenever a source is connected or disconnected from the unit.

Applications

- Simple yet complete AV systems with HDBaseT-equipped projectors and flat-panel displays.
- Installations in which HDVS-200 Series transmitters are to be used with third-party HDBaseT devices.

Key Features

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 330 feet (100 meters) @ 1080p and 330 feet (100 meters) @ 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 system in small AV systems.

TCP/IP and RS-232 control

• Flexible control options for compatibility with third-party control systems. RS-232 controlled from HDBaseT connection.

• Reduces integration time and costs.

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.

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 low-cost consumer displays.

Front panel input selection and on/off controls

• 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.

Front panel power and input selection status LEDs

• LED indicators provide power and input selection status information.

• Provides easy setup and troubleshooting.

Local AC-powered version of AT-HDVS-200-TX

• Includes external power supply (**AT-HDVS-200-TX-PSK** only) – ideal for point-to-point installations with an HDBaseT-equipped projector.

• Also can be powered via PoE – provides an additional powering option through a compatible Atlona HDBaseT-equipped device, or the AT-PS-POE power injector.

Award-winning 10 year limited product warranty

• Ensures long-term product reliability and performance in commercial and residential systems.

• Specify, purchase, and install with confidence.

Specifications

Video	
HD/SD	4096×2160@24/25/30/50*/60Hz*, 3840×2160@24/25/30/50*/60Hz*, 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	2560×2048, 2560×1600, 2048×1536, 1920×1200, 1680×1050, 1600×1200, 1600×900, 1440×900, 1400×1050, 1366×768, 1360×768, 1280×1024, 1280×800 1280×768, 1152×768, 1024×768, 800×600, 640×480
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™
Sample Rate	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz
Bit Rate	24-bit (max.)

Resolution / Distance	4K/UHD - Feet / Meters		1080p - Feet / Meters	
HDMI	15	5	30	10
CAT5e/6	230	70	330	100
CAT6a/7	330	100	330	100

Signal			
Bandwidth	10.2 Gbps		
CEC	Yes		
HDCP	1.4		

Temperature	Fahrenheit	Celsius
Operating	32 to 122	0 to 50
Storage	-4 to 140	-20 to 60
Humidity (RH)	20% to 90%, non-condensing	

Power	AT-HDVS-200-TX	AT-HDVS-200-TX-PSK
Consumption	30 W (when paired)	30 W (when paired)
Idle Consumption	N/A	22 W
Supply	N/A	Input: 100 - 240 V AC, 50/60 Hz Output: 48 V DC, 3.125 A

Dimensions	Inches	Millimeters
H x W x D	1.50 x 5.00 x 4.02	38 x 127 x 102

Weight	Pounds	Kilograms
Device	0.64	0.29

Certification	
Device	CE, FCC

* 4096×2160@50/60Hz & 3840×2160@50/60Hz supported @ chroma subsampling 4:2:0 8-bit only.