



## 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

### 3x1 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*, 2048×1080p, 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<br>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.

# Three-Input Switcher for HDMI and VGA

with Ethernet-Enabled HDBaseT Output