

The Atlona AT-HDVS-200-RX is a scaler with an Ethernet-enabled HDBaseT™ input for HDMI transmission. It features an HDMI output with balanced analog audio de-embedding and display control using IP, RS-232, or CEC. The AT-HDVS-200-RX combines the benefits of an extended-distance HDBaseT receiver with built-in scaling and the capabilities of a control processor for simplified AV system installation and operation. When used with the AT-HDVS-200-TX switcher, it receives HDMI signals with embedded audio and control signals at distances up to 328 feet (100 meters). The switcher/scaler pair enables automatic display on/off, auto-switching, volume adjustment, or optional third-party control. The AT-HDVS-200-RX supplies power to the AT-HDVS-200-TX switcher 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 where they are used as input/output modules.

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.

Scaler with HDMI output and input resolution control -

- Scales output video signals up to 1080p/60Hz and 1920x1200; Choose preferred input resolution from 800x600 to 1920x1200
- Assures compatibility of VGA and HDMI sources with the display's native resolution

Ethernet enabled, HDBaseT extension -

- Receives IP and HDMI signals up to 328 ft (100m) @ 1080p
- Uses easy-to-integrate category cable for low-cost, reliable system installation

TCP/IP and RS-232 control -

- Flexible control options for compatibility with 3rd-party control systems. Dual RS-232 control ports allow connection to both display and control system.
- 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 low-cost consumer displays.

Volume Control -

- Adjust de-embedded audio or display audio
- Reduces need for external control

Contact closure for screen control or display lift control -

- Dry contact closure triggers electronic screen or lift operation based on active or standby mode of scaler
- Automates screen or lift activation at system power-up; reduces steps for operators

Easy, GUI-based configuration using integrated web server -

- Offers manual mode programming, CEC display control, set-up, and status reporting of EDID and HDCP
- Allows fast configuration of internal product settings and troubleshooting from a tablet, smart phone or PC in the field

Power over Ethernet for AT-HDVS-200-TX -

- Industry standard IEEE 802.3af PoE supplied by the receiver over HDBaseT
- No local AC outlet required at switcher; saves time and integration costs

Specifications

Video Resolutions

Video	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	1920x1200, 1680x1050, 1600x1200, 1600x900, 1440x900, 1400x1050, 1366x768, 1360x768, 1280x1024, 1280x800, 1280x768, 1152x864, 1024x768, 800x600, 640x480	
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 OUT	Compatible with PCM 2Ch de-embedding only	
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/6/6a/7 @ 1080p	up to 100M	up to 328 ft
HDMI IN/OUT @ 1080p	up to 10 meters	up to 30 feet

Signal

Bandwidth	6.75 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	12 W (30 W when paired)
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Dimension (H x W x D)

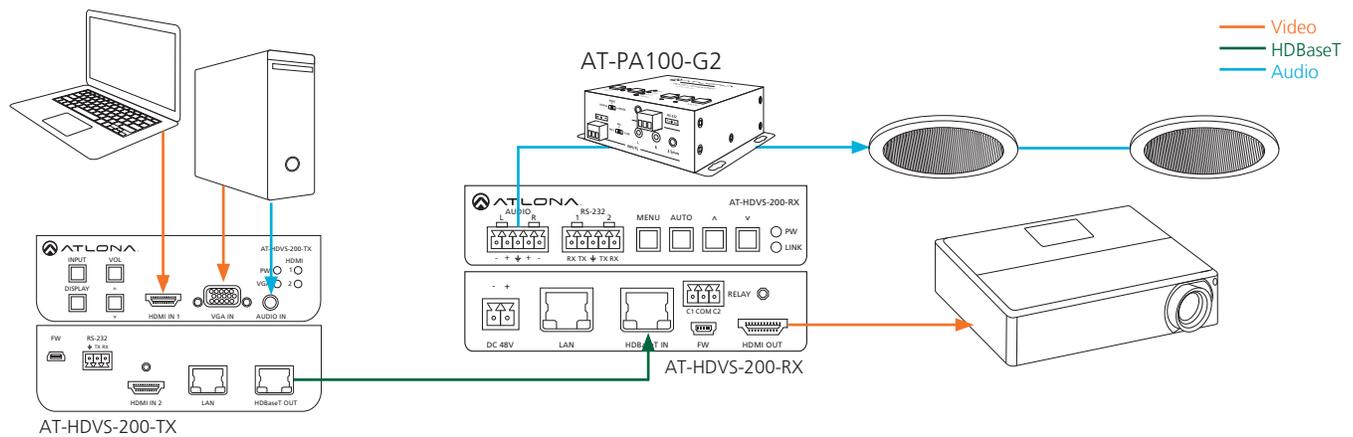
Unit	25 x 107 x 127 (mm)	0.98 x 4.21 x 5 (inch)
Power Supply (AT-PS-48083-C)	36 x 46 x 112 (mm)	1.42 x 1.81 x 4.41 (inch)

Weight

Device	0.49 kg	1.10 lbs
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Certification

Product	CE, FCC
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