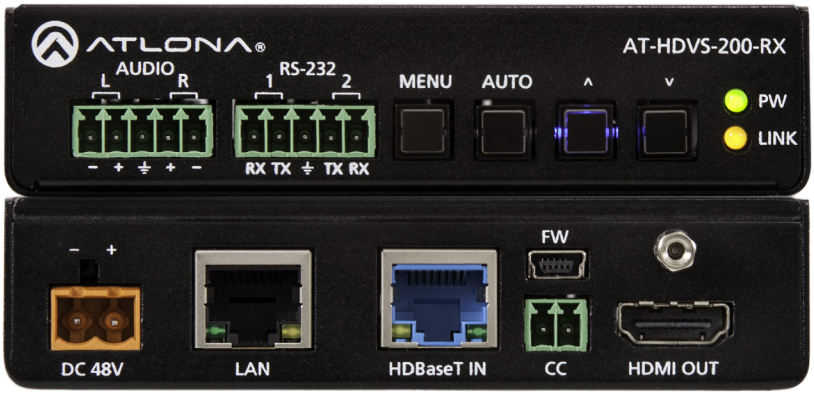
Ethernet-enabled HDBaseT Scaler with HDMI and Analog Audio Outputs

AT-HDVS-200-RX



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 and1920x1200; Choose preferred input resolution from 800×600 to 1920×1200
- 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 programing, 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

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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	TBD

Dimension

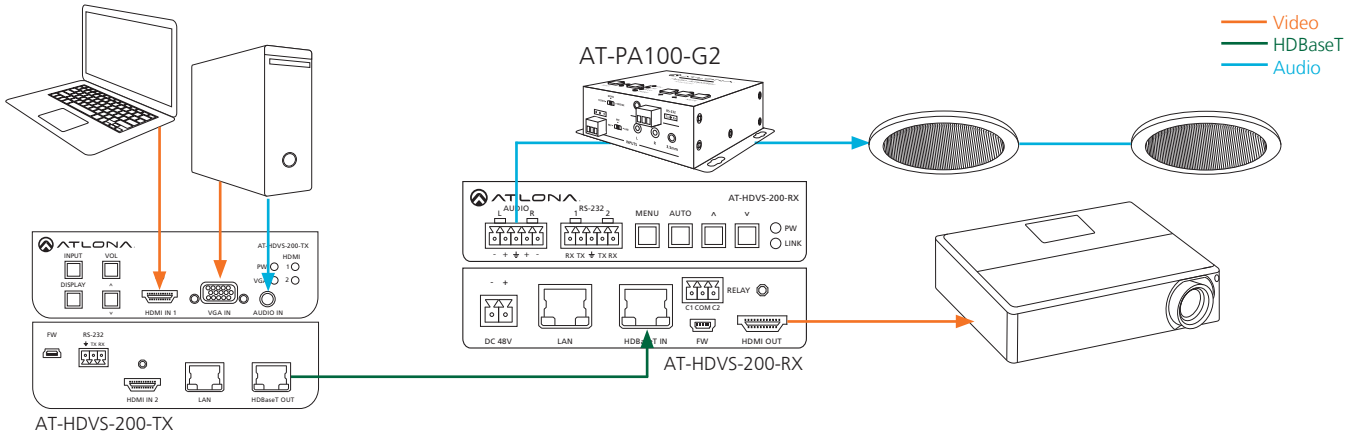
H x W x D	25 x 107 x 127 (mm)	0.98 x 4.21 x 5 (inch)

Weight

Device	TBD kg	TBD lbs

Certification

Product	CE, FCC



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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