



Introduction

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.

Key Features

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	
UHD/HD/SD	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	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	PCM 2Ch (de-embedded)
HDMI OUT & HDBaseT IN	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	Feet	Meters
CAT @ 1080p	330	100
HDMI IN/OUT @ 1080p	30	10

Signal	
Bandwidth	6.75 Gbps
CEC Support	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 60%, non-condensing	

Power	
Operational	12 W
When paired	30 W
Supply	Input: 100 - 240 V AC, 50/60 Hz Output: 48 V DC, 0.83 A

Dimensions	Inches	Millimeters
H x W x D	1.5 x 5 x 4.02	38 x 127 x 102

Weight	Pounds	Kilograms
Device	1.00	0.45

Certification	
Device	CE, FCC