

## Atlona AT-OME-SR21 Omega 4K/UHD Scaler for HDBaseT and HDMI with USB

The Atlona AT-OME-SR21 is an HDBaseT receiver and 4K/UHD scaler with a local HDMI input. Part of the Omega™ Series of integration products for modern AV communications and collaboration, the OME-SR21 receives HDBaseT for video up to 4K/60 4:2:0, plus embedded audio, control, Ethernet, and USB over distances up to 330 feet (100 meters). The HDMI input supports video up to UHD/60 4:4:4. The OME-SR21 is HDCP 2.2 compliant and features 4K/60 upscaling and downscaling with frame rate conversion. Additionally, it receives USB over HDBaseT and includes a USB 2.0 hub for integration with PCs, cameras, microphones, speakers, DSPs, and touch or interactive displays. The OME-SR21 is ideal for 4K presentation applications with Omega, HDVS-200, or UHD-EX Series transmitters, as well as Atlona AV presentation switchers with HDBaseT outputs, local HDMI sources, and the Gain™ Series amplifiers.

The OME-SR21 combines the benefits of 4K/UHD scaling, auto-switching for HDBaseT and HDMI inputs, integrated display control, USB extension, and more. It incorporates many popular integration convenience features, while delivering excellent performance and value for 4K presentation and video conferencing applications. The OME-SR21 can remotely power an Atlona HDBaseT transmitter through Power over Ethernet (PoE). For additional integration convenience, the OME-SR21 features audio de-embedding, integrated two-port Ethernet switch, contact closure ports for controlling a motorized screen or display lift, internal video test patterns for setup and troubleshooting, and remote management with AMS (Atlona Management System).

### Applications

- **Complete system integration - The OME-SR21 and an Omega Series switcher / transmitter provide a compact, yet comprehensive and cost-effective integration solution.**
- **Larger system applications - The OME-SR21 is ideal for extending AV and control, from a switcher in an equipment rack to a remote display. Built-in 4K scaling optimizes content for 4K and HD displays.**
- **Video conferencing - With a compatible Omega switcher / transmitter, USB extension makes the OME-SR21 ideal for soft codec and web-based conferencing applications, with the ability to integrate with PCs, cameras, speakerphones, and microphones.**

### Features:

#### HDBaseT receiver with local HDMI input

- **HDBaseT input receives AV, power, control, USB, and Ethernet up to 330 feet (100 meters) @ 1080p with CAT5e/6 or 4K/UHD using CAT6a/7 cable**
- **HDMI input is ideal for a wireless gateway, PC, video conferencing codec, or media player installed near a display**

#### 4K/UHD downscaling and upscaling

- **Preserves color and spatial detail when down-converting 4K content to 1080p or vice versa**
- **Ideal for presentation applications where content is to be viewed on a variety of 4K and HD displays**

#### USB 2.0 hub and extension over HDBaseT

- **USB type B interface for connection to a host PC, plus two USB type A ports for peripheral devices such as cameras, soundbars, or touch displays**
- **Provides an ideal USB integration solution for software video conferencing and other applications**

#### Audio de-embedding

- **De-embeds two channel PCM audio from any video source to a balanced, analog audio output**
- **Independent volume and mute controls for embedded and de-embedded two-channel PCM audio, plus five-band EQ for the analog audio output**

#### Dual Ethernet ports and integrated network switch

- **Allows a single connection to an AV LAN for IP control of a display and the OME-SR21 (plus transmitter or switcher over HDBaseT)**
- **Simplify system design and integration with just one network drop for AV system control**

#### Contact closure for screen or display lift control

- **Dry contact closure triggers electronic screen or lift operation based on active or standby mode of the switcher / scaler**
- **Automates screen or lift activation at system power-up; eliminates need for a separate AV control system**