The Atlona AT-UHD-CLSO-601 is an advanced six-input, multi-format switcher with built-in 4K scaling and mirrored HDBaseT™ and HDMI outputs. It simplifies classroom and small office system integration by providing four HDMI and two multi-function analog inputs, to enable the use of both new and legacy sources with HDMI displays. Professional audio features such as a microphone input with 48 volt phantom power and ducking are also included, allowing the switcher to address a wide array of AV switching and processing needs often encountered in classrooms, conference rooms, boardrooms, training rooms and other presentation settings.

The AT-UHD-CLSO-601 joins the CLSO product line and offers a simpler set of inputs for applications when all sources are near the switcher. The new switcher is designed to work with the Atlona AT-UHD-EX-100CE-RX extender receiver and offers HDBaseT signal extension up to 328 feet (100 meters) with Ethernet and PoE for remote powering the receiver.

**Four HDMI inputs -**
- Digital inputs to support up to four DVI, HDMI and DisplayPort Sources
- Works with PCs, Blu-ray players, document cameras, teleconference systems, wireless solutions with industry standard digital audio/video outputs

**Two multi-function analog inputs on 15-pin HD connectors -**
- Accepts RGBHV, component, S-video, or composite signals using common adaptors and break out cables
- Provides input options for legacy analog sources

**Mirrored, dual outputs on HDBaseT and HDMI -**
- Supports dual display applications with both local and extended distance displays up to 328 feet (100 meters)
- Eliminates cost associated with extra extension components; simplifies installation. HDMI output allows additional HDBaseT transmitter for dual long distance applications

**4K/UHD @ 30Hz capability -**
- Compatible with Ultra High Definition sources and displays
- Supports high resolution applications such as CAD, desktop publishing, and detailed financial reporting

**Built-in 4K scaler -**
- Scales to and from most resolutions up to 4K to optimize content from any source to any monitor or projector up to 4K
- Eliminates the need for external scaling components

**AV, Ethernet, and control over HDBaseT -**
- Delivers 4K/UHD video, audio, 100BaseT Ethernet, and control through a single cable
- Eliminates multiple cable runs between source, control system router and display

**Power over Ethernet for remote-powered HDBaseT receiver -**
- Industry standard IEEE 802.3af PoE supplied by the switcher over HDBaseT
- No local AC outlet required saves time and integration costs

**Auto-switching -**
- Selects last connected HDMI or VGA source
- Reduces complexity or eliminates control system completely
Specifications

**Video Resolutions**
- Video: 4096x2160@24/25/30Hz, 3840x2160@24/25/30Hz (UHD), 2048x1080p, 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: 2560x2048, 2560x1600, 2048x1536, 1920x1200, 1680x1050, 1600x900, 1440x900, 1400x1050, 1366x768, 1360x768, 1280x1024, 1280x800, 1280x768, 1152x864, 1024x768, 800x600, 640x480
- Colorspace: YUV, RGB
- Chroma Subsampling: 4:4:4, 4:2:2, 4:2:0
- Color depth: 8-bit, 10-bit, 12-bit

**Audio**
- Analog Output: PCM 2Ch (de-embedded)
- HDMI/HDBaseT Output: PCM 2Ch, supports DTS and Dolby pass through
- Sample Rate: 32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz
- Bit rate: up to 24-bit

**Distance**
- CAT5e/6 @ 4K: up to 70M (up to 230 ft)
- CAT5e/6 @ 1080p: up to 100M (up to 328 ft)
- CAT6a/7 @ 4K: up to 100M (up to 328 ft)
- HDMI @ 4K: up to 5 meters (up to 15 feet)
- HDMI IN/OUT @ 1080p: up to 10 meters (up to 30 feet)

**Signal**
- Bandwidth: 10.2 Gbps
- HDCP: Switchable - Complaint / Non compliant

**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: 33W
- Idle Consumption: 3.1W
- Supply: Input: AC100–240V 50/60Hz
- Output: DC 48V 3.125A

**Dimension**
- H x W x D: 44 x 433.8 x 255 (mm) / 1.73 x 17.08 x 10.04 (inch)
- w/feet: 55.15 x 433.8 x 255 (mm) / 2.17 x 17.08 x 10.04 (inch)
- Rack Unit: 1U

**Weight**
- Device: 3.12 kg / 6.9 lbs

**Certification**
- Power Supply: CE, FCC, cULus, RoHS, CCC, RCM
- Product: CE, FCC