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, 1600x1200, 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
CEC	Yes
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

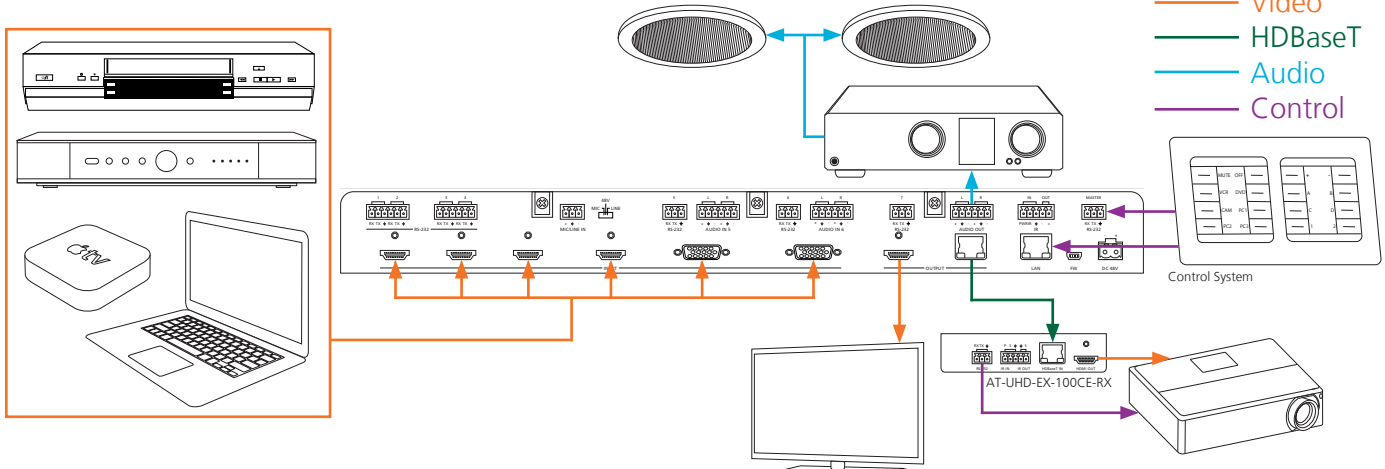|	
Consumption	33W
Idle Consumption	3.1W
Supply	Input: AC100~240V 50/60Hz
	Output: DC 48V 3.125A

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

— Video
— HDBaseT
— Audio
— Control

Control System

AT-UHD-EX-100CE-RX