

The Atlona AT-UHD-EX-100CE-TX is an HDBaseT™ transmitter for HDMI transmission up to 328 feet (100 meters) over category cable with Ethernet pass through, plus RS-232 and IR control. Designed to work with HDBaseT inputs on switchers and projectors, this extender transmits video signals up to 4K/UHD @ 60Hz with embedded multi-channel audio. Additionally, the transmitter extends Ethernet, RS-232, and 12 volt-based IR control commands. The AT-UHD-EX-100CE-TX is HDCP 2.2 compliant and supports EDID communication. The transmitter features a quarter rack width metal enclosure for easy rack mounting with rear panel I/O ports for uncluttered wire management. This PSE (Power Sourcing Equipment) device is externally powered, includes a desktop power supply and provides Power over Ethernet for compatible receiving devices. The AT-UHD-EX-100CE-TX is certified by the HDBaseT Alliance.

This HDBaseT Class A transmitter is designed to support the growing number of displays and video projectors in the commercial market with HDBaseT inputs. The AT-UHD-EX-100CE-TX provides extended distance, transmission of uncompressed, 4K/UHD HDMI signals from switchers and matrixes. Other applications include remote input signal transmission for the AT-UHD-CLSO-824 matrix switcher. Built-in Ethernet and bi-directional control signal extension eliminates the need for additional cabling from switcher to the display or remote input device. Installer-friendly features include: a rack-mountable form factor that allows four transmitters to share a single, 1U rack tray; power chaining to allow multiple sets to be powered from one power supply; and a front mounted USB port for easy firmware updates.

The AT-UHD-EX-100CE-TX is ideal for use in commercial point to point applications that require extended distance HDMI signal transmission to HDBaseT-equipped displays. The transmitter can be used with any 4K/UHD switcher, matrix switcher, or distribution amplifier. Support for multiple control signals allows the transmitter to work with a variety of third-party control systems to cost-effectively extend control signals within a system.

4K/UHD capability -

- Compatible with Ultra High Definition sources and displays
- Future proofs AV systems in preparation for technology improvements, 4K/UHD streaming services and playback devices

HDCP 2.2 compliant -

- Adheres to latest specification for High-bandwidth Digital Content Protection
- Allows protected content to pass between devices

PSE – Power Sourcing Equipment -

- Uses external power supply (included)
- Eliminates the need for remote power or power-injection devices

AV, Ethernet, power, and control over HDBaseT -

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

Extended distance HDMI extension -

- Transmits HDMI signals up to 328 ft (100m) @ 1080P and 328 ft (100m) @ 4K/UHD using CAT6a/7 cable
- Uses easy-to-integrate category cable for low-cost, reliable system installation

Specifications

Video Resolutions

Video	4096x2160@24/25/30/50*/60Hz*, 3840x2160@24/25/30/50*/60Hz* (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, 1152x768, 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

Formats	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 @ 4K	up to 70M	up to 230 ft
CAT6a/7 @ 4K	up to 100M	up to 328 ft
CAT5e/6 @ 1080p	up to 100M	up to 328 ft
HDMI IN/OUT @ 4K	up to 5M	up to 15 ft
HDMI IN/OUT @ 1080p	up to 10M	up to 30 ft

Signal

Bandwidth	10.2 Gbps
CEC	Yes
HDCP	supports up to 2.2

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	15.2W (when paired with a RX)
Supply	Input: AC100~240V 50/60Hz Output: DC48V 0.83A

Dimension

H x W x D	25 x 109 x 127 (mm)	0.98 x 4.29 x 5.00 (inch)
H x W x D w/ears	27 x 119 x 127 (mm)	1.06 x 4.69 x 5.00 (inch)

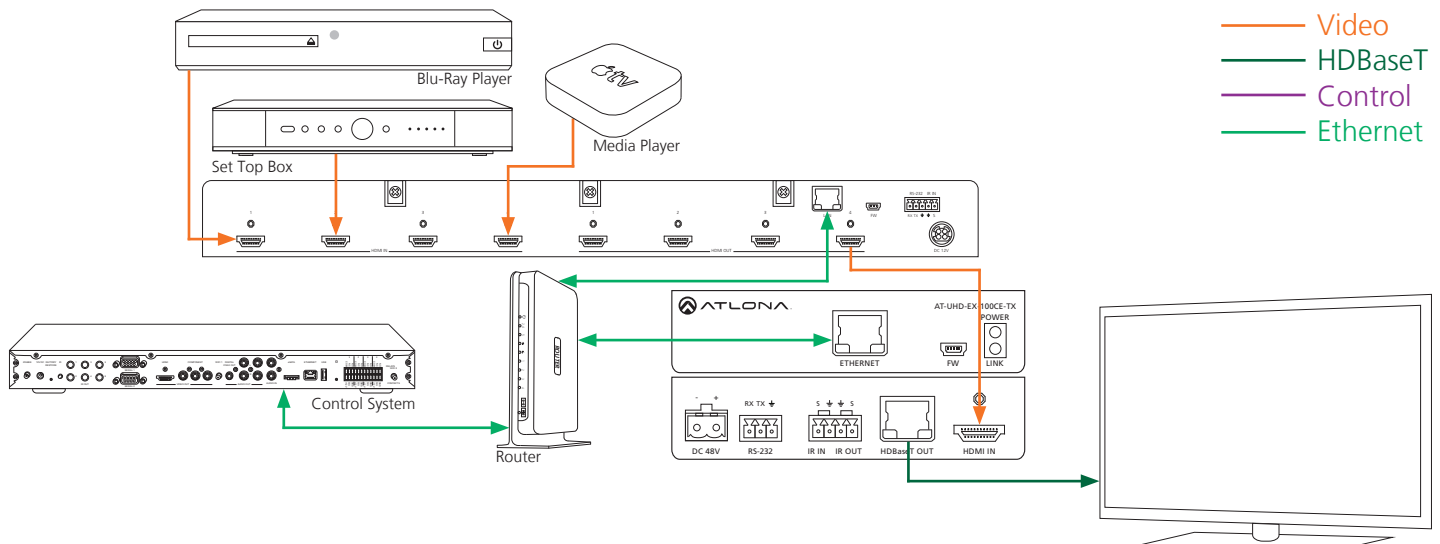
Weight

Device	0.39 kg	0.86 lbs
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Certification

Power Supply	CE, FCC, cULus, RoHS, CCC, RCM
Product	CE, FCC

**4096x2160@50/60Hz & 3840x2160@50/60Hz supported @ chroma subsampling 4:2:0 8-bit only



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