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 matrices. 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
- **Storage**: -20°C to 60°C
- **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

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

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

Specifications and availability subject to change without notice. Actual products, product images, and online product images may vary from images shown here. Not responsible for typographical errors.