4K/UHD HDMI Over HDBaseT TX/RX with PoE

AT-UHD-EX-70-KIT

The Atlona AT-UHD-EX-70-KIT is an HDBaseT™ transmitter/receiver kit for HDMI transmission up to 230 feet (70 meters) over category cable with Power over Ethernet capability. The kit transmits video signals up to 4K/UHD @ 60Hz with embedded multi-channel audio and remote 48V power for the receiver. The kit is HDCP 2.2 compliant and supports EDID communication. Both transmitter and receiver feature quarter rack width metal enclosures for easy rack mounting with rear panel I/O ports for uncluttered wire management.

The AT-UHD-EX-70-KIT provides integrator-friendly features including: IEEE standards-based PoE transmission for safety and compatibility; HDCP 2.2 compliant for meeting the latest copy protection requirements; rack-mountable form factor for accommodating four transmitters in a single 1U rack tray; power chaining for powering multiple devices from one power supply; and front mounted USB port for easy firmware updates.

The AT-UHD-EX-70-KIT is ideal for use in residential or commercial point to point applications that require HDBaseT signal transmission over greater distances than HDMI can support. As a transmitter/receiver pair, the kit can be used with the H2H matrix switcher series or HDDA distribution amplifier series for long distance AV signal extension with PoE capability without control signal extension requirements.

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 Content Protection
- Allows protected content stream to pass between devices

Remote-powered receiver -

- Industry standard IEEE 802.3af PoE for receiver is supplied by transmitter over HDBaseT
- Saves time and integration costs

Long distance HDMI extension -

- Transmits HDMI signals up to 230 ft (70m) @ 1080P and 130 ft (40m) @ 4K/UHD using CAT6a/7 cable
- Uses easy-to-integrate category cable for low-cost, reliable system installation

Rear panel I/O connectors -

- Placement of ports on rear panel simplifies wire management
- Saves installation time and eliminates clutter

Low-profile, 1 inch (2.5 cm) high quarter rack-width enclosure -

- Easy installation into racks and confined spaces behind displays
- Keeps devices out-of-sight when placed in public spaces

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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
Colorspace	YCbCr, 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 35 meters	up to 115 feet
CAT6a/7 @ 4K	up to 40 meters	up to 130 feet
CAT5e/6 @ 1080p	up to 60 meters	up to 197 feet
CAT6a/7 @ 1080p	up to 70 meters	up to 230 feet
HDMI IN/OUT@ 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	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	10.8W
Supply	Input: AC100~240V 50/60Hz Output: DC48V 0.83A

Dimension

H x W x D	25 x 109 x 89 (mm)	0.98 x 4.29 x 3.50 (inch)
w/ears	27 x 119 x 89 (mm)	1.06 x 4.69 x 3.50 (inch)

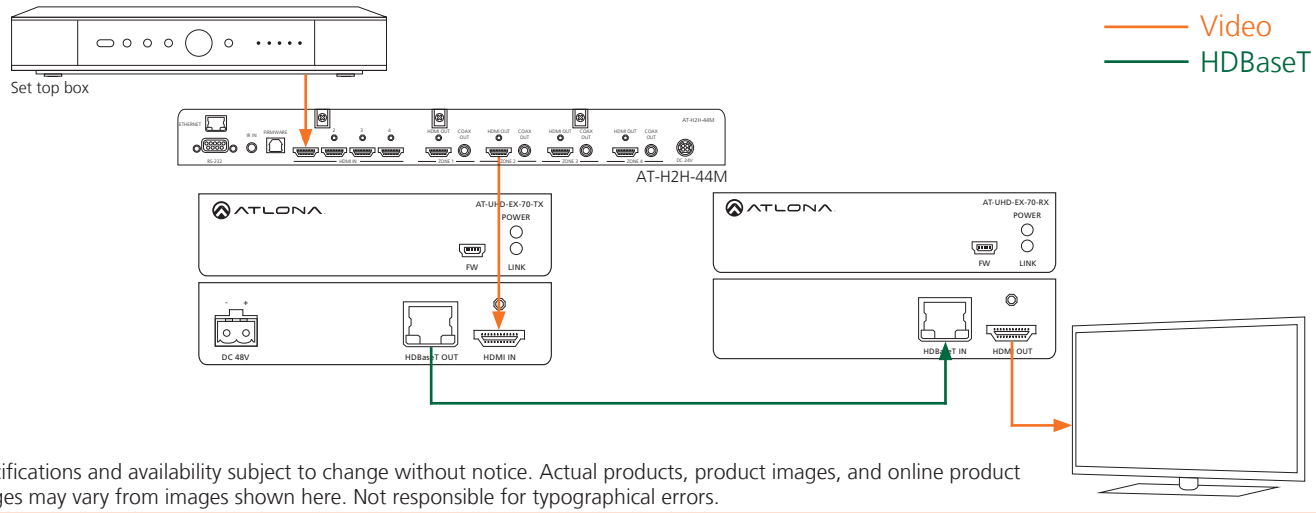
Weight

TX Unit	0.29 kg	0.64 lbs
RX Unit	0.27 kg	0.59 lbs

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



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.

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