



The Atlona AT-UHD-EX-70-2PS is an HDBaseT™ transmitter/receiver kit for HDMI transmission up to 230 feet (70 meters) over category cable using locally-powered endpoints. The kit provides an economical means of transmitting video signals up to 4K/UHD @ 60Hz with embedded multi-channel audio. 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.

This product was designed with the latest extender technology including long distance HDBaseT signal transmission, 4K/UHD capability, configuration-free set-up, and field-updateable firmware while maintaining an affordable price point. The AT-UHD EX-70-2PS offers these capabilities and more with the latest content protection for guaranteed pass-through of encrypted high definition content.

The AT-UHD-EX-70-2PS is ideal for use in residential or commercial point to point applications that require HDBaseT signal transmission over greater distances than HDMI can support. The kit can be used with the H2H matrix switcher series or HDDA distribution amplifier series for economical, long distance AV signal extension without PoE capability or control signal extension requirements.

Long distance HDMI extension -

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

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

Field updatable firmware -

- Front panel USB port provides an easy means for kit upgrades
- Ensures long term system return on investment

HDCP 2.2 compliant -

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

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



4K/UHD HDMI Over HDBaseT TX/RX Kit

AT-UHD-EX-70-2PS

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 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
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 up to 130 feet CAT6a/7 @ 4K up to 40 meters CAT5e/6 @ 1080p up to 60 meters up to 197 feet up to 70 meters CAT6a/7 @ 1080p up to 230 feet up to 5 meters up to 15 feet HDMI@4K 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 1.55W Idle Consumption 0.58W

Supply Input: AC100~240V 50/60Hz

Output: DC 5V 1.2A

Dimension

H x W x D 25 x 109 x 76 (mm) 1 x 4.3 x 3 (inch) w/ears 27 x 129 x 76 (mm) 1.06 x 5.08 x 3 (inch)

Weight

 TX Unit
 0.22 kg
 0.49 lbs

 RX Unit
 0.24 kg
 0.53 lbs

 Shipping
 0.8 kg
 1.76 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

