



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

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
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 @ 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	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)

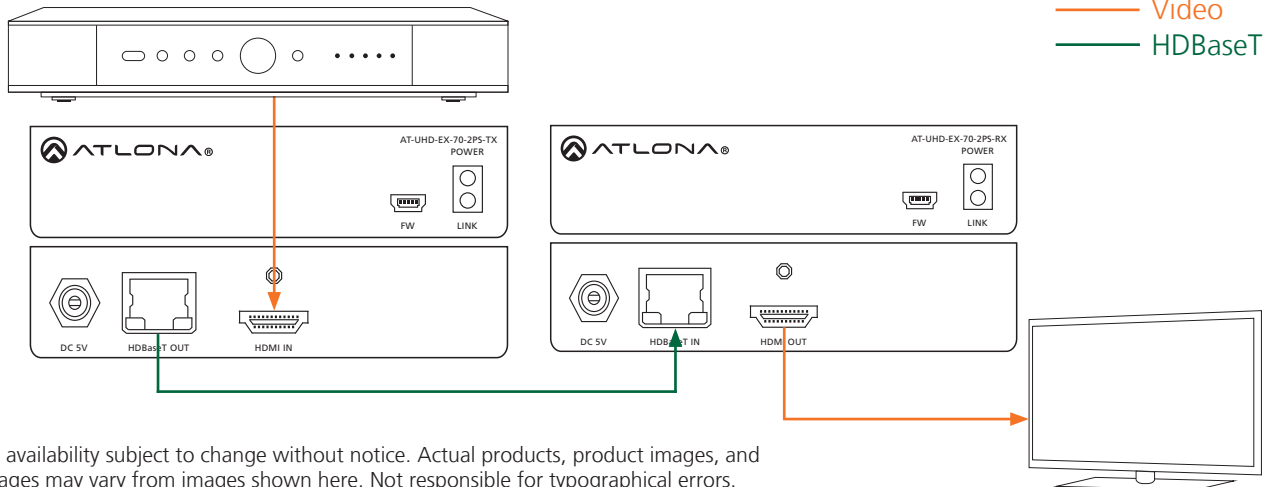
Weight

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



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