# 4K/UHD HDMI Over HDBaseT TX/RX Kit

AT-UHD-EX-70-2PS

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

70 Daggett Road San Jose, CA 95134,
tel: 408-962-0515, toll free: 1-877-536-3976, fax: 408-743-5622
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# 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 |
| 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<br>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) |

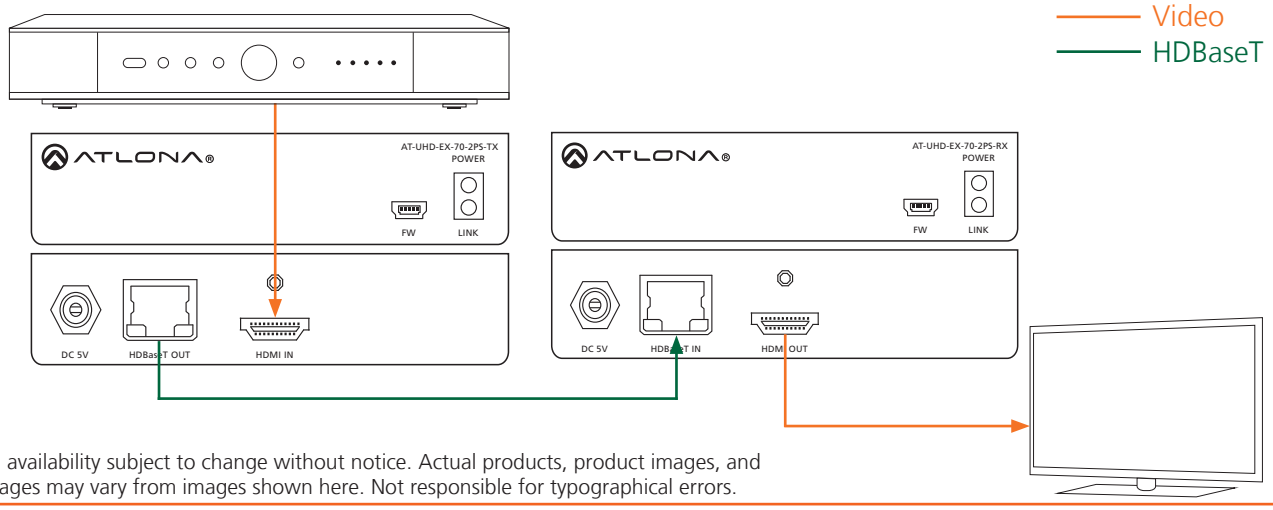
### Weight

| | | |
|---|---|---|
| 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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