

AT-UHD-EX-70C-RX



				AT-UHD-EX-70C-RX POWER
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The Atlona AT-UHD-EX-70C-KIT is an HDBaseT<sup>™</sup> transmitter/receiver kit for HDMI transmission up to 230 feet (70 meters) over category cable with RS-232 and IR control plus 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 provides bidirectional extension of both 12 volt IR and RS-232 commands. 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-70C-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-70C-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 and third party control systems for long distance AV signal and control extension with PoE capability. On its own, the AT-UHD-EX-70C-RX receiver is designed to take advantage of the powerful UHD-PRO3 series matrices to receive AV, remote power, and control signals.

### 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

# Bidirectional extension of both RS-232 and IR control commands -

- Control signals travel over HDBaseT link for maximum control system flexibility
- Eliminates multiple cable runs between source, control system, and display

### 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



### Specifications

## 4K/UHD HDMI Over HDBaseT TX/RX with Control and PoE

AT-UHD-EX-70C-KIT AT-UHD-EX-70C-RX

ecificati	ions					
	esolutions					
	Video		840x2160@24/25/30/50*/60Hz* (UHD), 2048x1080p, .94/60Hz, 1080i@50/59.94/60Hz, 720p@50/59.94/60Hz,			
	VESA		, 1920x1200, 1680x1050, 1600x1200, 1600x900, 360x768, 1280x1024, 1280x800, 1280x768, 1152x768,			
	Colorspace	YCbCr, RGB				
	Chroma Subsampling	4:4:4, 4:2:2, 4:2:0				
	Color depth	8-bit, 10-bit, 12-bit				
Audio						
	Formats		by Digital, DTS 5.1, Dolby Digital Plus, Dolby TrueHD,			
	Sample Rate	DTS-HD Master Audio, Dolby Atmos 32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz				
	Bit rate		up to 24-bit			
Distance						
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			
c:	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				
Tempera	ature					
lemper	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	10.89W				
	Supply	Input: AC100~240V 50/60Hz Output: DC48V 0.83A				
Dimensi	ion					
Dimensi	HxWxD	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	0.27 kg	0.59 lbs			
	RX Unit	0.33 kg	0.73 lbs			
Certifica						
	Power Supply Product	CE, FCC, cULus, RoHS, CCC, RCM CE, FCC				
	**4096x2160@50/60Hz & 3840x2160	0@50/60Hz supported @ chroma subsamp	oling 4:2:0 8-bit only			
			——— Video			
			HDBaseT			
Set top b	ox		Control			
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	85-222 SCM: 19	AT-H2H-44M				
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