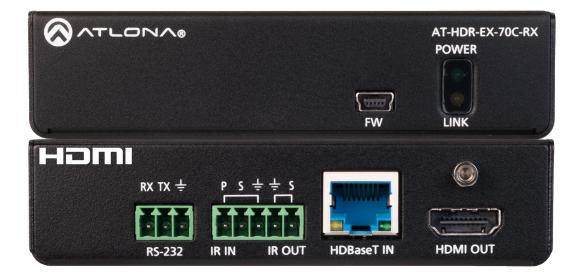


# 4K HDR HDMI over HDBaseT<sup>™</sup> RX with Control and PoE



#### Introduction

The Atlona AT-HDR-EX-70C-RX is a HDBaseT<sup>™</sup> to HDMI® receiver for 4K and high dynamic range (HDR) content. It supports extension of 4K/UHD video @ 60 Hz with 4:4:4 chroma sampling plus HDR data, multi-channel audio, control signals, and power up to 130 ft. (40 m) or 1080p up to 230 ft. (70 m) over Category 6/6A cable. The AT-HDR-EX-70C-RX is ideal for use with the AT-HDR-CAT-2, AT-HDR-CAT-4, and AT-HDR-CAT-8 distribution amplifiers for passing 4K HDR signals to a display. A compact enclosure and remote power supplied by the transmitter means the receiver can be conveniently mounted in furniture, behind a display, or above a projector

#### **Key Features**

- HDBaseT receiver for use with the AT-HDR-CAT-2, AT-HDR-CAT-4, and AT-HDR-CAT-8 distribution amplifiers
- 4K/UHD capability @ 60 Hz with 4:4:4 chroma sampling
- Supports HDR10, HLG, and Dolby® Vision™ HDR formats
- Features visually lossless compression with no latency to enable HDR and 4K/60 4:4:4 video signal extension over HDBaseT
- HDBaseT input receives HDMI, control signals, and power up to 130 feet (40 meters) for 4K HDR or 230 feet (70 meters) for 1080p with Category 6/6A
- Extends bidirectional RS-232 and IR control signals over HDBaseT
- Remotely powered by the AT-HDR-CAT distribution amplifiers over HDBaseT
- Compliant with HDCP 2.2, the latest specification for passing protected content between devices
- Multi-channel audio pass-through
- Front panel Power and Link status LEDs
- Front panel USB port for firmware updates
- · Rear panel connections simplify wire management and save installation time
- · Compact enclosure can be mounted in furniture, behind a display, or above a projector



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## **Specifications**

Video							
Signal	Input - HDBaseT Output - HDMI						
Copy Protection	HDCP 2.2	HDCP 2.2					
Pixel Clock	600MHz	600MHz					
UHD/HD/SD	4096x2160@60/50/30/25/24Hz 3840×2160@60/50/30/25/24Hz 1920x1080p@60/59.9/50/30/29.97/25/ 24/23.98Hz 1920x1080i@30/29.97/25Hz			720p@60/59.94/50Hz 576p@50Hz 576i@25Hz 480p@60/59.96Hz 480i@30Hz			
VESA All resolutions are 60Hz	2560×1600 2048×1536 1920×1200 1680×1050 1600×1200 1440×900 1400×1050 1280×1024			1280×800 1366×768 1360×768 1152×864 1024×768 800×600 640×480			
Color Space	YUV, RGB						
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0						
Color Depth	8-bit, 10-bit, 12-bit						
HDR	Up to 4K HDR10 @ Vision™ @ 60 Hz <sup>(1)</sup>	Up to 4K HDR10 @ 60 Hz, 4K Hybrid-Log Gamma (HLG) @ 60 Hz, and 4K Dolby <sup>®</sup> Vision <sup>™</sup> @ 60 Hz <sup>(1)</sup>					
Audio							
HDMI / HDBaseT Pass-Through Formats	PCM 2.0 LPCM 5.1 LPCM 7.1		Dolby <sup>®</sup> Digital Dolby Digital Plus™ Dolby TrueHD Dolby Atmos <sup>®</sup>			Digital Surround™ ID Master Audio™ ®	
Bit Depth	up to 24-bit						
Sample Rate	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz						
Control		44500					
RS-232	Pass through, up to 115200 baud						
IR	Pass through, 30kHz to 60kHz						
CEC	Pass through						
Resolution / Distance	4K/UHD - Feet / Me	eters		1080p - Feet	/ Meter	rs	
HDMI IN/OUT	15	5		30		10	
CAT5e	115	35		200		60	
CAT6/6a/7	130	40		230		70	
Urit Ur Udi T	100	40		200		10	
Buttons and Indicators							
Function Indicators: Power Link	1 - LED, green 1 - LED, yellow						



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Connectors					
HDMI OUT	1 - Type A, 19-pin female				
HDBaseT IN	1 - RJ45, female				
FW - Firmware	1 - Mini-A USB				
RS-232	1 - 3-pin captive screw connector				
IR	1 - 5-pin captive screw connector				
Temperature	Fahrenheit	Celsius			
Operating	32 to 122	0 to 50			
Storage	-4 to 140	-20 to 60			
Humidity (RH)	20% to 90%, non-condensing				
2					
Power					
Consumption	7.95 W				
BTU/h	27.2				
PoE	Powered by compatible 48V transmitters	3			
	Inchoo				
Dimensions (H x W x D)		Millimeters			
Unit	1.02 x 4.29 x 5.00	26 x 109 x 127			
Weight	Pounds	Kilograms			
Unit	0.85	0.39			
Offic	0.00	0.59			
Certification					
Device	CE, FCC, UKCA				
Warranty					
Device	10 years				
Compliance					
	V.				
NDAA-889	Yes				
ТАА	Yes				

#### Footnotes

(1) 4K Dolby® Vision™ @ 60 Hz is supported on systems capable of Low Latency Dolby Vision (LLDV) mode. All other 4K modes limited to 30 Hz.



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