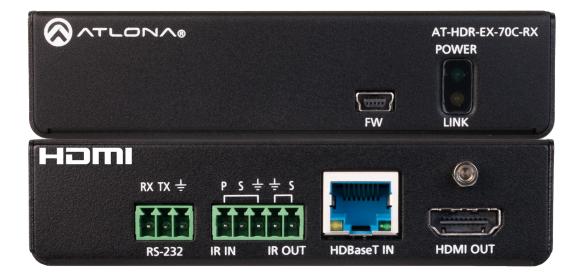


4K HDR HDMI over HDBaseT[™] RX with Control and PoE



Introduction

The Atlona AT-HDR-EX-70C-RX is a HDBaseT[™] 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			
Pixel Clock	600MHz			
UHD/HD/SD	4096x2160@60/50/30/25/2 3840×2160@60/50/30/25/2 1920x1080p@60/59.9/50/3 24/23.98Hz 1920x1080i@30/29.97/25H	4Hz 0/29.97/25/	720p@60/59. 576p@50Hz 576i@25Hz 480p@60/59. 480i@30Hz	
VESA All resolutions are 60Hz	2560×1600 2048×1536 1920×1200 1680×1050 1600×1200 1440×900 1440×1050 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	4K HDR10 and Hybrid-Log Gamma (HLG) @ 60 Hz, Dolby® Vision™ @ 30 Hz			
A 11				
Audio HDMI / HDBaseT Pass-Through Formats	PCM 2.0 LPCM 5.1 LPCM 7.1	Dolby [®] Digital Dolby Digital F Dolby TrueHD	Plus™	DTS [®] Digital Surround™ DTS-HD Master Audio™ DTS:X®

		Dolby Atmos®	D10.X
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	
RS-232	Pass through, up to 115200 baud
IR	Pass through, 30kHz to 60kHz
CEC	Pass through

Resolution / Distance	4K/UHD - Feet / Met	ers	1080p - Feet / Meter	S
HDMI IN/OUT	15	5	30	10
CAT5e	115	35	200	60
CAT6/6a/7	130	40	230	70

Buttons and Indicators	
Function Indicators:	
Power	1 - LED, green
Link	1 - LED, yellow



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Connectors				
HDMI OUT	1 - Type A, 19-pin female	1 - Type A, 19-pin female		
HDBaseT IN	1 - RJ45, female	1 - RJ45, female		
FW - Firmware	1 - Mini-A USB	1 - Mini-A USB		
RS-232	1 - 3-pin captive screw connector	1 - 3-pin captive screw connector		
IR	1 - 5-pin captive screw connector	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			
Power				
Consumption		7.95 W		
PoE	Powered by compatible 48V transmitters			
Dimensions (H x W x D)	Inches	Millimeters		
Unit	1.02 x 4.29 x 5.00	26 x 109 x 127		
Weight	Pounds	Kilograms		
Unit	0.85	0.39		
Certification				
Device				
Device	CE, FCC, UKCA			



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4