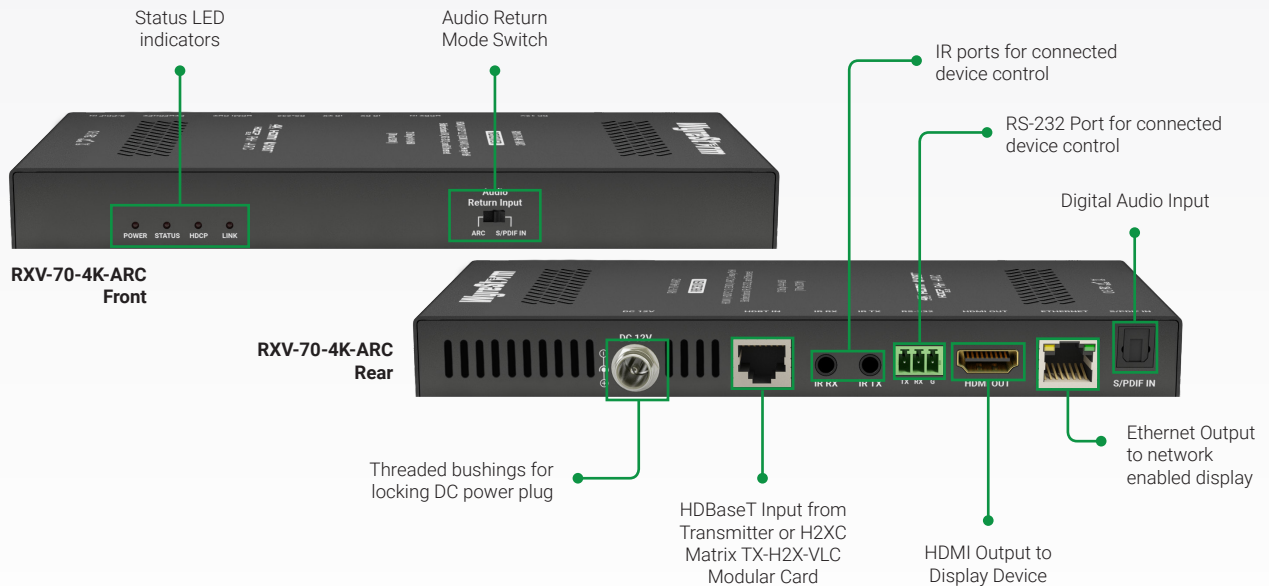


4K HDR HDMI-Over-HDBaseT Receiver with ARC & Audio Return (2160p 4:4:4/60: 70m/230ft | 1080p: 100m/328ft)

RXV-70-4K-ARC



Specification Sheet



WyreStorm - Because the Technology Matters.

Introduction

With high-framerate HDR-10 and HLG technology exceeding the capabilities of HDBaseT, WyreStorm has implemented light-compression technology. The RXV-70-4K-ARC forms part of this new generation of signal extension technology and furthermore, frees the 5.1 audio from an ARC compatible TV and send back to an H2XC matrix over HDBaseT; an optical S/PDIF input is also present for sending digital audio signals.

Key Features

- Uses WyreStorm's proprietary compression technology for lossless transmission of 4K HDR content, without latency
- Supports ARC via HDMI or optical input for audio return over HDBaseT
- Selector switch for ARC (via HDMI) or Optical Return via Toslink
- Reliable HDBaseT-HDMI conversion over distance using single Cat6 cable
- 4K HDR signals up to 70m/230ft (2160p 4:4:4 60Hz 8-bit) and 2K signals up to 140m/459ft (1200p 60Hz)
- Supports HDMI2.0 video standard up to 18Gbps
- Compatible with HDR standards including HDR-10, HDR-10+, HLG and Dolby Vision (Dolby Vision supported up to 30Hz)
- Class A HDBaseT™ supporting the transmission of video, multichannel audio, Ethernet, bidirectional control and PoH
- Powered remotely via PoH from H2XC matrix
- Bidirectional IR supported with both IR TX & RX ports
- RS-232 port for routed 2-way serial communication
- Supports Ethernet pass-through from matrix (Class A HDBaseT transmission only)
- LED indication for HDCP presence within signal and transmission link between devices
- Ventilated steel chassis
- HDCP 2.2 compatible
- Compact design for convenient and unobtrusive installation
- Wall mounting brackets and IR accessories included

In the Box

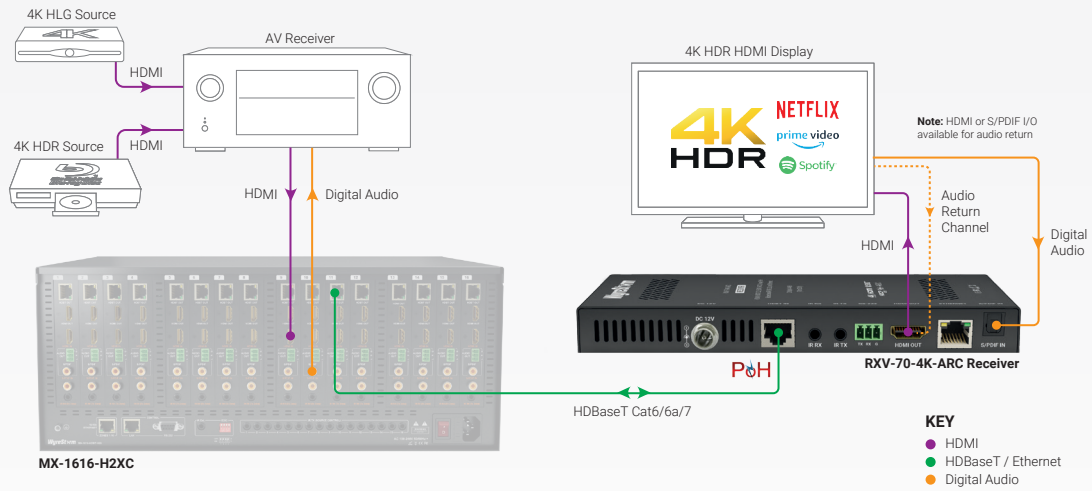
1x RXV-70-4K-ARC Receiver
1x IR Emitter
1x IR Receiver

1x 3-pin Terminal Block
2x Mounting Brackets
1x Quickstart Guide

Specifications

Audio and Video				
Inputs	1x S/PDIF In: TOSLINK (Digital Optical) 1x HDBT In: 8-pin RJ-45 Female			
Outputs	1x HDMI Out: 19-pin type A			
Video Encoding	HDBaseT Class A			
Encoding Data Rate	10Gbps			
End to End Latency (Max)	10µs (micro seconds)			
Audio Formats	2ch PCM Multichannel: LPCM and Up to DTS-X and Dolby Atmos			
Video Resolutions (Max)	Video Resolution	HDMI	Cat6	Cat6a/7
	1920x1080p @60Hz 12bit	15m/49ft	100m/328ft	100m/328ft
	3840x2160p @24Hz 10bit 4:2:0 HDR	7m/23ft	70m/230ft	100m/328ft
	3840x2160p @30Hz 8bit 4:4:4	7m/23ft	70m/230ft	100m/328ft
	3840x2160p @60Hz 10bit 4:2:0 HDR	5m/16ft	70m/230ft	100m/328ft
	3840x2160p @60Hz 12bit 4:2:2 HDR	3m/10ft	70m/230ft	100m/328ft
	4096x2160p @60Hz 8bit 4:2:0	7m/23ft	70m/230ft	100m/328ft
	4096x2160p @60Hz 8bit 4:4:4	3m/10ft	70m/230ft	100m/328ft
Note: WyreStorm recommends the use of shielded category cable to minimize signal noise and interference.				
Supported Standards	DCI RGB HDR HDR10 Dolby Vision up to 30Hz HLG BT.2020 BT.2100			
Maximum Pixel Clock	HDMI: 600MHz HDBaseT: 297MHz			
Communication and Control				
HDMI	HDCP 2.2 EDID CEC DVI-D supported with adapter (not included)			
HDBaseT	HDMI HDCP 2.2 EDID CEC 1-way PoH to Receiver Bidirectional IR			
CEC	Power Triggering from Matrix Requires CEC Compatibility at Display			
Ethernet	1x Ethernet: 8-pin RJ-45 Female Bidirectional over HDBaseT			
IR	1x IR RX 3.5mm (1/8in) TRS Stereo 1x IR TX: 3.5mm (1/8in) TS Mono Bidirectional over HDBaseT			
RS-232	1x RS-232: 3-pin Phoenix Bidirectional over HDBaseT			
ARC (Audio Return Channel)	Supports True ARC (via HDMI) or S/PDIF optical return from display to the matrix over HDBaseT			
Power				
Power Supply	18V DC (Optional)			
PoH	48V 15.4W			
Max Power Consumption	12.5W			
Environmental				
Operating Temperature	0 to +45°C (32 to +113 °F), 10% to 90%, non-condensing			
Storage Temperature	-20 to +70°C (-4 to +158 °F), 10% to 90%, non-condensing			
Maximum BTU	43 BTU/hr			
Dimensions and Weight				
Rack Units/Wall Box	<1U			
Height	21mm/0.83in			
Width	195mm/7.68in			
Depth	94.8mm/3.74in			
Weight	0.4kg/0.88lbs			
Regulatory				
Safety and Emission	CE FCC RoHS RCM			

Right Product for the Right Application.



Note: WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.