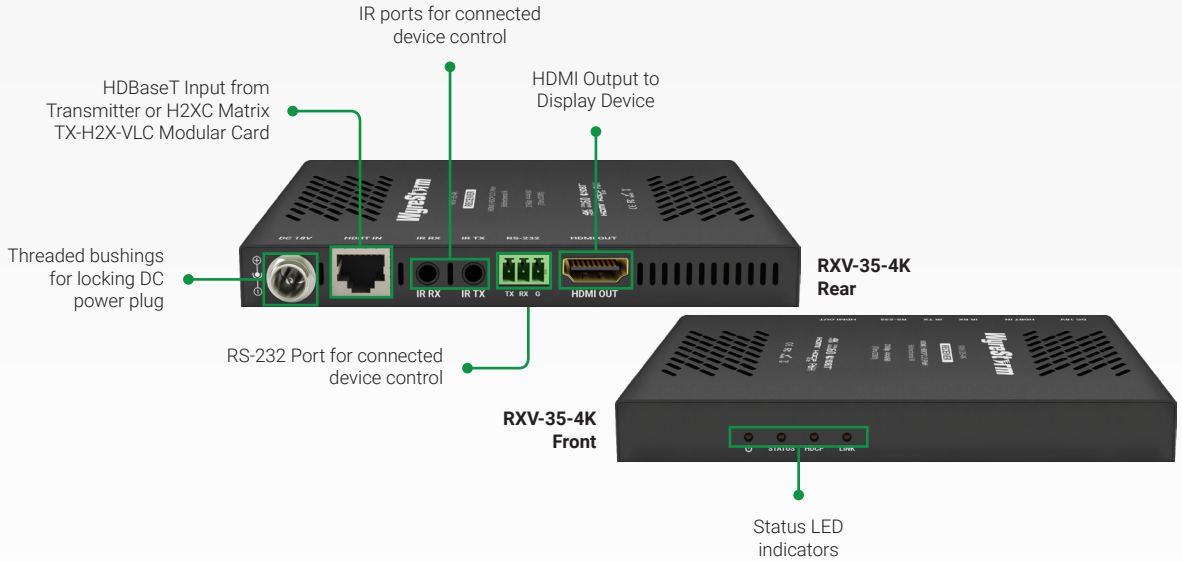
4K HDR 4:4:4 60Hz HDBaseT™ Receiver with 2-way IR and PoH (4K: 35m/115ft)

RXV-35-4K

WyreStorm

Specification Sheet



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Introduction

4K HDR HDMI-Over-HDBaseT Receiver (2160p 4:4:4/60: 35m/115ft | 1080p: 70m/230ft). Consumer HDMI content is now breaking through the once comfortable HDBaseT "ceiling" of 10Gbps, with HFR (High Frame Rate). HDR is here already in the form of Blu-ray, Satellite & Cable (HLG) and gaming content. The RXV-35-4K is the perfect companion for WyreStorm's MXV line-up of matrices also when distances of under 35 meters are required. This is the perfect solution for the TX-H2X-VLC modular card, found in the H2XC line.

Key Features

- Uses WyreStorm's proprietary compression technology for lossless transmission of 4K HDR content, without latency
- Reliable HDBaseT-HDMI conversion over distance using single Cat6 cable
- 4K UHD signals up to 35m/131ft (2160p 4:4:4 60Hz 8-bit) and 2K signals up to 70m/230ft (1200p 60Hz 16-bit
- 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 B HDBaseT™ supporting the transmission of video, multichannel audio, bidirectional control and PoH
- Powered remotely via PoH from MXV matrix
- HDCP 2.2 compatibility
- Bidirectional IR supported with both IR TX & RX ports
- RS-232 port for routed 2-way serial communication
- LED indication for HDCP presence within signal and transmission link between devices
- Ventilated steel chassis
- Conforms to IEEE-568B standards
- Compact design for convenient and unobtrusive installation
- Wall mounting brackets and IR accessories included

In the Box

1x RXV-35-4K Receiver
1x IR Emitter
1x IR Receiver
2x Mounting Brackets
1x 3-pin Screw Down Phoenix Connector
1x Quickstart Guide

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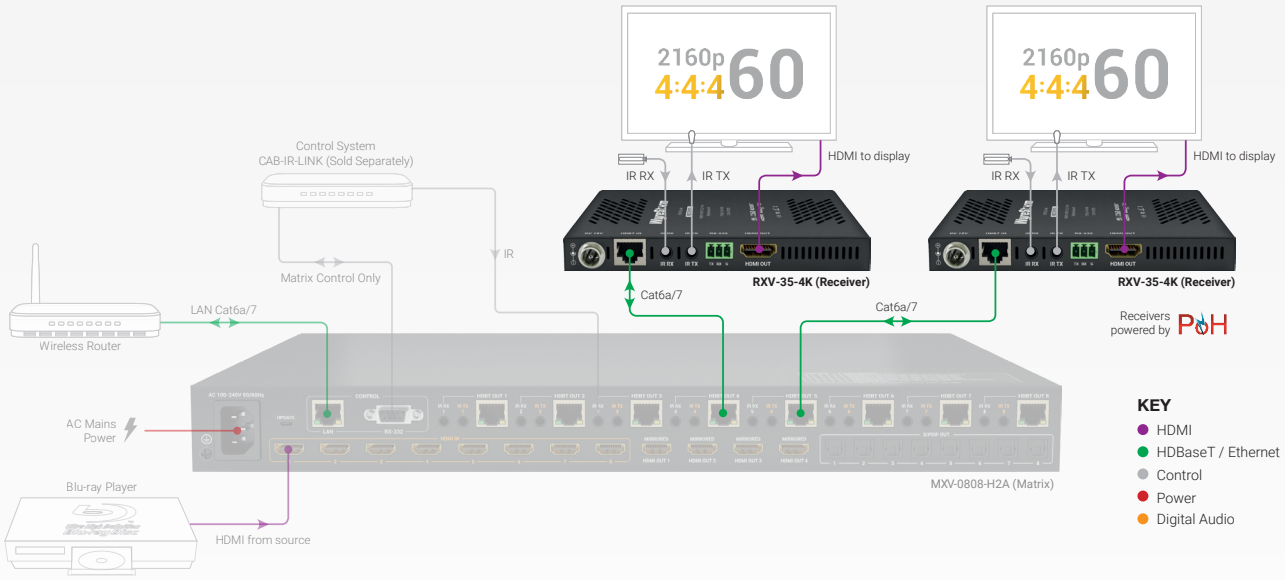
Specifications

Audio and Video				
Inputs	1x HDBaseT In: 8-pin RJ-45 Female			
Outputs	1x HDMI Out: 19-pin type A			
Input Video Encoding	HDBaseT Class B			
Encoding Data Rate	9.2Gbps			
End to End Latency	10µs (micro seconds)			
Audio Formats	Analog: 2ch analog S/PDIF: 2ch LPCM | Dolby Digital/CTS up to 5.1ch HDMI: 2ch LPCM | Multichannel up to DTS-X and Dolby Atmos			
Video Resolutions (Max)	**Resolution**	**HDMI**	**Cat6**	**Cat6a/7**
	1920x1080p @60Hz 12bit	15m/49ft	60m/197ft	70m/230ft
	1920x1080p @60Hz 16bit	7m/23ft	60m/197ft	70m/230ft
	3840x2160p @24Hz 10bit 4:2:0 HDR	3m/10ft	35m/115ft	40m/131ft
	3840x2160p @30Hz 8bit 4:4:4	7m/23ft Input 15m/49ft Output	35m/115ft	40m/131ft
	3840x2160p @60Hz 10bit 4:2:0 HDR	3m/10ft	35m/115ft	40m/131ft
	4096x2160p @60Hz 8bit 4:2:0	7m/23ft	35m/115ft	40m/131ft
	4096x2160p @60Hz 8bit 4:4:4	7m/23ft	35m/115ft	40m/131ft
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	HDMI 2.0 | HDCP 2.2 | EDID | CEC | DVI-D supported with adapter (not included)			
HDBaseT	HDMI 2.0 | HDCP 2.2 | EDID | CEC | 1-way PoH to Receiver | Bidirectional IR			
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 Terminal Block - 3.5mm			
CEC	CEC power triggering for connected screens - Requires CEC compatibility			
Power				
Power Supply	18V DC (Optional)			
PoH	1-way Matrix to Receiver			
Max Power Consumption	12.42W			
Environmental				
Operating Temperature	0 ~ +45°C (32 ~ +113 °F) | 10% ~ 90% non-condensing			
Storage Temperature	-20 ~ +70°C (-4 ~ +158 °F) | 10% ~ 90% non-condensing			
Maximum BTU	43 BTU/hr			
Dimensions and Weight				
Rack Units | Wall Box	<1U			
Height With | Without Feet	15.2mm/0.6in			
Width With | Without Brackets	136mm/5.38in			
Depth With | Without Handles	74.2mm/2.93in			
Weight	0.24kg/0.53lbs			
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.