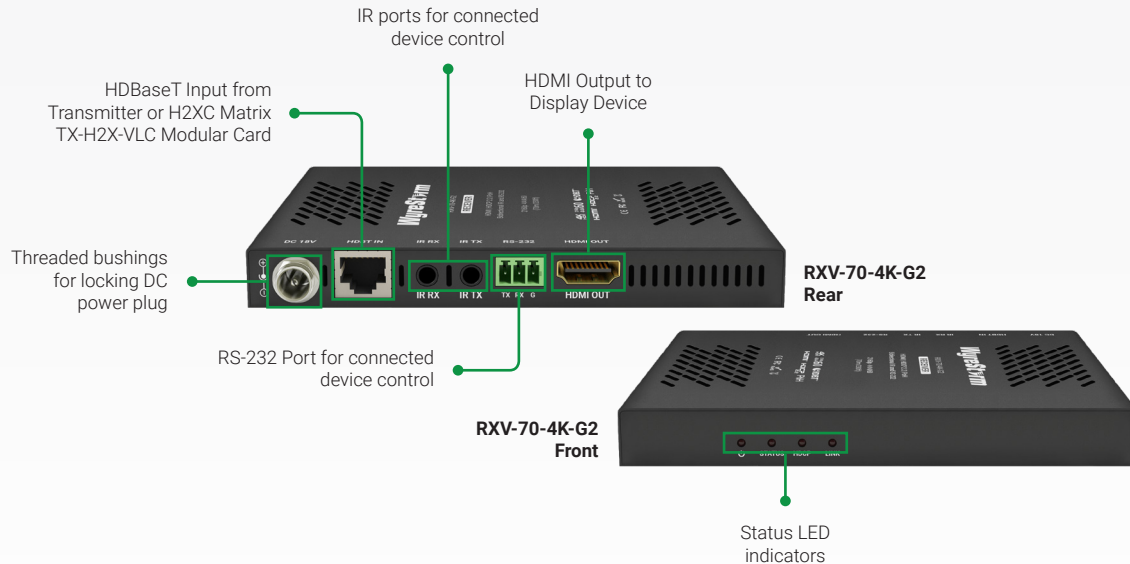


# 4K HDR 4:4:4 60Hz HDBaseT™ Receiver with 2-way IR and PoH (4K: 70m/230ft)

RXV-70-4K-G2 v1

# WyreStorm

## Specification Sheet



WyreStorm - Because the Technology Matters.

## Introduction

4K HDR HDMI-Over-HDBaseT Receiver (2160p 4:4:4/60: 70m/230ft | 1080p: 100m/328ft). 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-70-4K-G2 is the perfect companion for WyreStorm's MXV line-up of matrices also when distances of under 70 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 70m/230ft (2160p 4:4:4 60Hz 8-bit) and 2K signals up to 100m/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 A 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

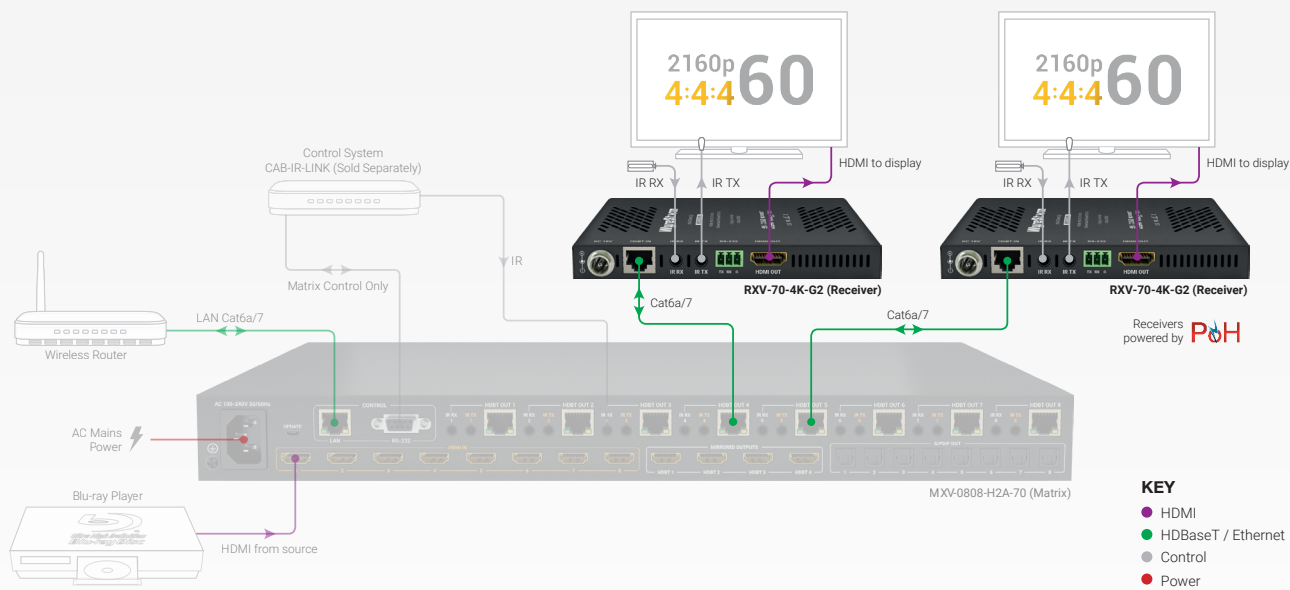
1x RXV-70-4K-G2 Receiver  
1x Wide-band IR Emitter  
1x Wide-band IR Receiver (30-50KHz)

2x Mounting Brackets  
1x 3-pin Terminal Block  
1x Quickstart Guide (this document)

# Specifications

<b>Audio and Video</b>				
<b>Inputs</b>	1x HDBT In: 8-pin RJ-45 Female			
<b>Outputs</b>	1x HDMI Out: 19-pin type A			
<b>Output Video Encoding</b>	HDBaseT Class A			
<b>Encoding Data Rate</b>	9.2Gbps			
<b>End to End Latency (Max)</b>	10µs (micro seconds)			
<b>Audio Formats</b>	HDMI: 2ch LPCM   Multichannel up to Dolby Atmos and DTS-X			
<b>Video Resolutions (Max)</b>	<b>Video Resolution</b>	<b>HDMI</b>	<b>Cat6</b>	<b>Cat6a/7</b>
	1920x1080p @60Hz 12bit	15m/49ft	100m/328ft	100m/328ft
	1920x1080p @120Hz 12bit	7m/22ft	70m/230ft	100m/328ft
	3840x2160p @24Hz 10bit 4:2:0 HDR	15m/49ft	100m/328ft	100m/328ft
	3840x2160p @30Hz 8bit 4:4:4	7m/22ft	70m/230ft	100m/328ft
	3840x2160p @60Hz 10bit 4:2:0 HDR	5m/16ft	70m/230ft	100m/328ft
	3840x2160p @60Hz 12bit 4:2:2 HDR	5m/16ft	70m/230ft	100m/328ft
	4096x2160p @60Hz 8bit 4:2:0	7m/22ft	70m/230ft	100m/328ft
Note: WyreStorm recommends the use of shielded category cable to minimize signal noise and interference				
<b>Supported Standards</b>	DCI   RGB   HDR   HDR10   Dolby Vision up to 30Hz   HLG   BT.2020   BT.2100			
<b>Maximum Pixel Clock</b>	HDMI: 600MHz   HDBaseT: 297MHz			
<b>Communication and Control</b>				
<b>HDMI</b>	HDMI 2.0   HDCP 2.2   EDID   CEC   DVI/D supported with adapter (not included)			
<b>HDBaseT</b>	HDMI 2.0   HDCP 2.2   EDID   CEC   1-way PoH   Bidirectional IR			
<b>CEC</b>	CEC power triggering for connected screens – Requires CEC compatibility			
<b>IR</b>	1x IR TX: 3.5mm (1/8in) TS Mono   1x IR RX: 3.5mm (1/8in) TRS Stereo   Bidirectional over HDBaseT			
<b>RS-232</b>	1x RS-232: 3-pin Terminal Block - 3.5mm			
<b>Power</b>				
<b>Power Supply</b>	18V DC (Optional)			
<b>PoH</b>	1-way Matrix to Receiver			
<b>Max Power Consumption</b>	12.42W			
<b>Environmental</b>				
<b>Operating Temperature</b>	0 ~ +45°C (32 ~ +113 °F), 10% ~ 90%, non-condensing			
<b>Storage Temperature</b>	-20 ~ +70°C (-4 ~ +158 °F), 10% ~ 90%, non-condensing			
<b>Maximum BTU/hr</b>	43 BTU/hr			
<b>Dimensions and Weight</b>				
<b>Rack Units/Wall Box</b>	<1U			
<b>Height</b>	15.2mm/0.6in			
<b>Width</b>	136.4mm/5.38in			
<b>Depth</b>	74.2mm/2.93in			
<b>Weight</b>	0.24kg/0.53lbs			
<b>Regulatory</b>				
<b>Safety and Emission</b>	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.