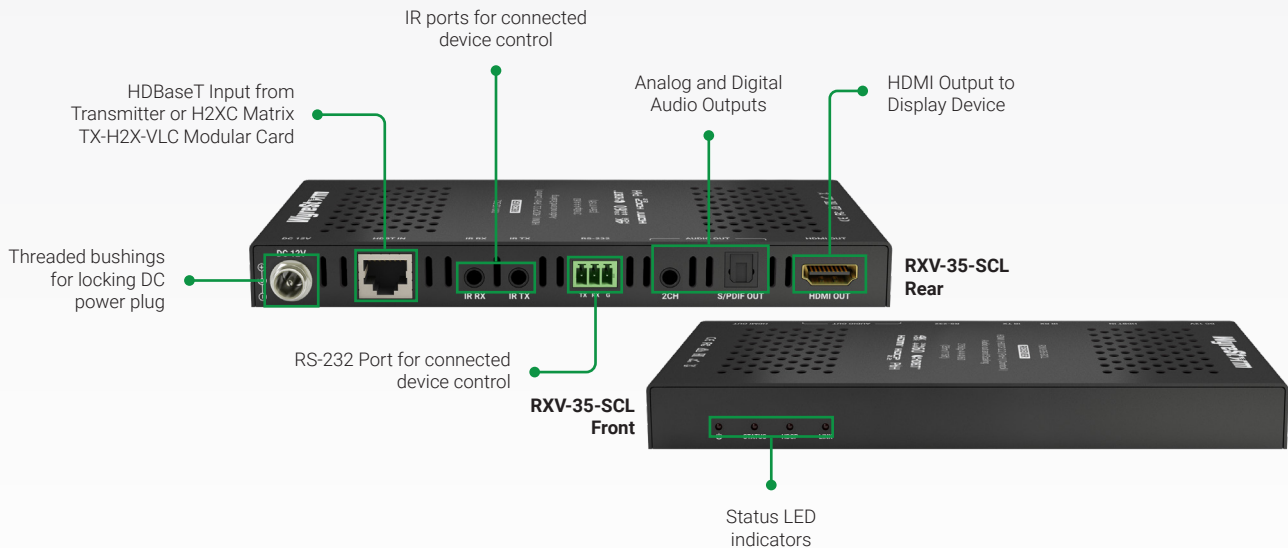


# 4K HDR 4:4:4 60Hz HDBaseT™ Receiver with Scaling, HDR Conversion & 2ch/S/PDIF Audio Breakout & PoH (4K: 35m/115ft)

**RXV-35-SCL**

# WyreStorm®

## Specification Sheet



WyreStorm - Because the Technology Matters.

## Introduction

18Gbps HDBaseT receiver for the standard MXV series matrix switchers. The RXV-35-SCL features a powerful scaler that can convert 4K UHD and HDR content to a 1080p non-HDR display to maximize compatibility. The receiver also features a 2ch and digital S/PDIF audio breakout for easy external audio distribution.

## Key Features

- Uses WyreStorm's proprietary compression technology for lossless transmission of 4K HDR content, without latency
- Scales 4K UHD and HDR source content to 1080p non-HDR displays
- 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

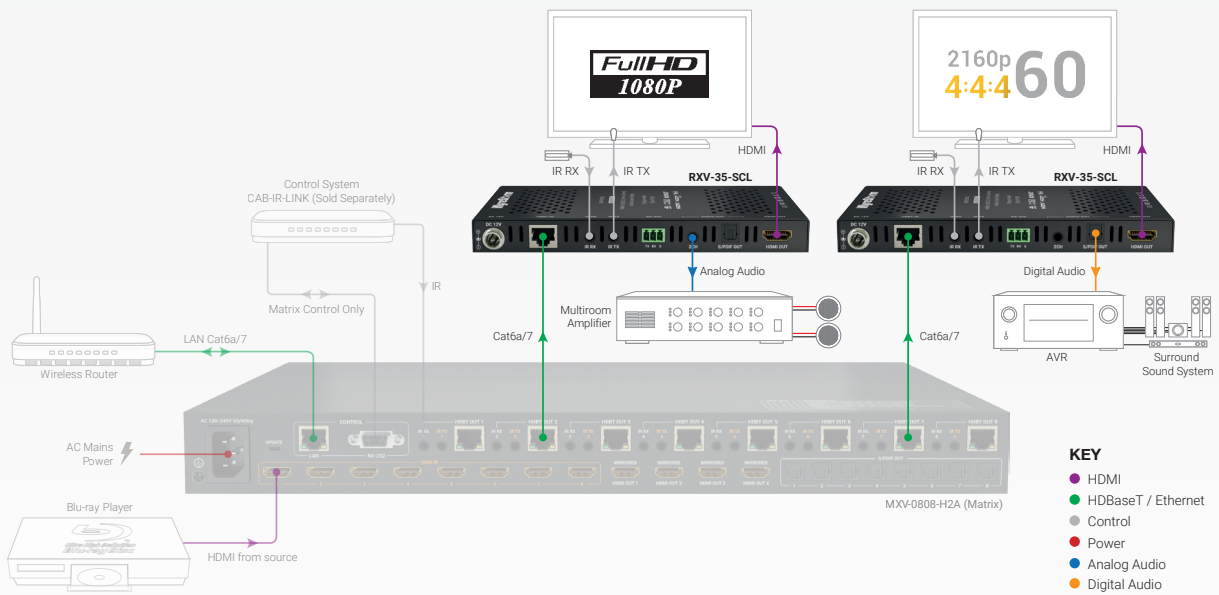
1x RXV-35-SCL Receiver  
2x Mounting Brackets  
1x IR Emitter  
1x IR Receiver

1x 3-pin Terminal Block  
12V DC 1A Power Supply (US/UK/EU/AU)  
1x Quickstart Guide

# Specifications

Audio and Video				
<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 B			
<b>Encoding Data Rate</b>	9.2Gbps			
<b>End to End Latency (Max)</b>	10µs (micro seconds)			
<b>Audio Formats</b>	Analog: 2ch Analog S/PDIF: 2ch LPCM   Dolby Digital/DTS up to 5.1ch HDMI: 2ch LPCM   Multichannel up to Dolby Atmos and DTS-X			
Video Resolutions (Max)	Video Resolution	HDMI	Cat6	Cat6a/7
	1920x1080p @60Hz 12bit	15m/49ft	60m/197ft	70m/230ft
	1920x1080p @60Hz 16bit	7m/22ft	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/22ft	35m/115ft	40m/131ft
	4096x2160p @60Hz 8bit 4:4:4	3m/10ft	35m/115ft	40m/131ft
	<b>Note:</b> 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			
Communication and Control				
<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			
Power				
<b>Power Supply</b>	12V DC 1A (Optional)			
<b>PoH</b>	1-way Matrix to Receiver			
<b>Max Power Consumption</b>	12.42W			
Environmental				
<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			
Dimensions and Weight				
<b>Rack Units/Wall Box</b>	<1U			
<b>Height</b>	18mm/0.7in			
<b>Width</b>	180mm/7.08in			
<b>Depth</b>	80mm/3.14in			
<b>Weight</b>	0.36kg/0.79lbs			
Regulatory				
<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.