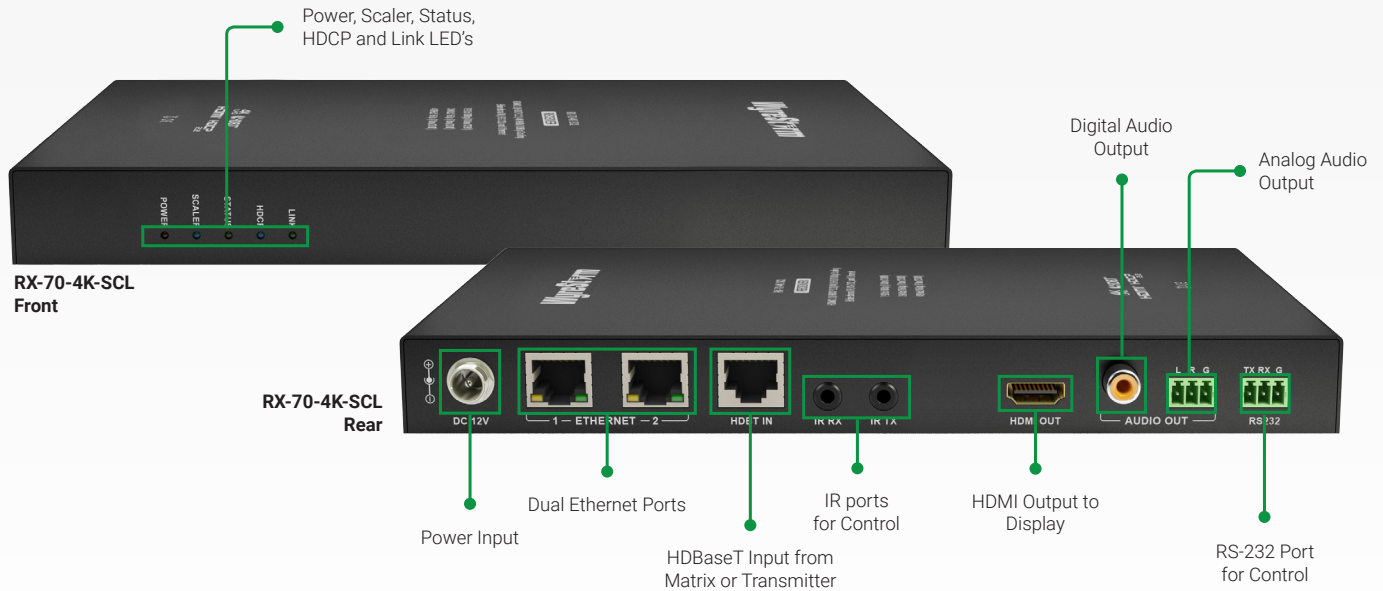


# 4K UHD HDBaseT™ Scaling Receiver, with Downscaling, Dual Ethernet Ports and ARC (4K: 70m/230ft | 1080p: 100m/328ft)

**RX-70-4K-SCL**

**WyreStorm**

**Specification Sheet**



4K HDR | HDCBT™ | HDMI™ | HDCP 2.2 | ARC

*WyreStorm - Because the Technology Matters.*

## Introduction

A vital addition to any HDBaseT™ distribution system, the RX-70-4K-SCL scales incoming video content to best suit the display device to which it is attached. This allows the best quality video content to be sent throughout the system, avoiding EDID clashes or older display technology compromising the rest of the system.

## Key Features

- Scales content sent over HDBaseT™ to match the capability of connected screen or projector
- 4K UHD content @60Hz 4:2:0 scaled to as low as 576P
- Upscales incoming content to 4K 60Hz 4:4:4
- Sends ARC via HDMI along HDBaseT™
- Analog and S/PDIF output enables de-embedding of audio to send to local audio system
- Resolves issue with mixing 4K & 2K screens in an installation by down-scaling UHD 4K content to 1080/720p
- Also up-scales any incoming content to 4K/60 4:4:4 8-Bit
- Receives 4K UHD @60Hz 4:2:0 or HDR @24Hz at 70m/230ft and 1080p content at 100m/328ft
- Scaling, ARC, CEC & Audio Out controllable via HDBaseT™/Ethernet link by Telnet
- S/PDIF and Analog audio breakout
- Dual Ethernet ports
- Bidirectional IR and RS-232
- HDCP 2.2 compliant

## In the Box

1x RX-70-4K-SCL Scaling Receiver  
1x 12V DC 3A Power Supply  
1x AC Cable  
2x 3-pin Phoenix Connector  
1x Wide-band IR Emitter

1x Wide-band IR Receiver (30-50KHz)  
1x USB to 3-pin RS-232 Port Adapter Cable  
2x Mounting Brackets  
1x Quickstart Guide

# Specifications

Audio and Video				
<b>Inputs</b>	1x HDBaseT 8-pin RJ-45 female			
<b>Outputs</b>	1x HDMI 19-pin type A 1x S/PDIF Out Coaxial Digital (Audio de-embedded from HDBaseT signal) 1x Audio Out 3pin Phoenix Connector (Audio de-embedded from HDBaseT signal)			
<b>Output Video Encoding</b>	HDBaseT Class A			
<b>Encoding Data Rate</b>	9.2Gbps			
<b>End to End Latency</b>	10µs (micro seconds)			
<b>Audio Formats</b>	S/PDIF: 2ch PCM   Multichannel: Up to 5.1 DTS and Dolby Digital HDMI: 2ch PCM   Multichannel: LPCM and Up to DTS-X and Dolby Atmos			
<b>Video Resolutions (Max)</b>	Resolution	HDMI	Cat6	Cat6a/7
	1920x1080p @60Hz 12bit	15m/49ft	100m/328ft	100m/328ft
	1920x1080p @60Hz 16bit	7m/23ft	100m/328ft	100m/328ft
	3840x2160p @24Hz 10bit 4:2:0 HDR	3m/9.8ft	70m/230ft	100m/328ft
	3840x2160p @30Hz 8bit 4:4:4	7m/23ft	70m/230ft	100m/328ft
	3840x2160p @60Hz 10bit 4:2:0 HDR	3m/9.8ft	N/A	N/A
	4096x2160p @60Hz 8bit 4:2:0	7m/23ft	70m/230ft	100m/328ft
	4096x2160p @60Hz 8bit 4:4:4	7m/23ft	N/A	N/A
Long Cable Mode Forced Resolution on H2X Matrix: 1920x1080p @60Hz 12bit		N/A	140m/460ft	140m/460ft
<b>Supported Standards</b>	DCI   RGB   HDR   HDR10   Dolby Vision up to 30Hz   HLG   BT.2020   BT.2100			
<b>Maximum Pixel Clock</b>	297MHz			
Communication and Control				
<b>HDMI</b>	HDCP 2.2   EDID (Configurable)   DVI-D supported with adapter (not included)			
<b>HDBaseT</b>	HDMI   HDCP 2.2   EDID (Configurable)   CEC   Bidirectional IR, RS-232, and Ethernet			
<b>Ethernet</b>	2x 8-pin RJ-45 female   10/100 Mbps auto-negotiating   API Receiver Configuration   Bidirectional over HDBaseT			
<b>IR</b>	1x IR TX 3.5mm (1/8in) TS Mono   1x IR RX 3.5mm (1/8in) TRS Stereo   Transmitted over HDBaseT			
<b>RS-232</b>	1x 3-pin Phoenix Connector   API Receiver Configuration   Bidirectional over HDBaseT when used with H2X matrix			
<b>Audio Return Channel (ARC)</b>	Returns audio from displays built-in applications via ARC HDMI Input over HDBaseT			
Power				
<b>Power Supply</b>	Input: 100~240V AC 50/60Hz   Output: 12V DC 2A			
<b>Max Power Consumption</b>	16.4W			
Environmental				
<b>Operating Temperature</b>	32°F ~ 113°F (0°C ~ 45°C)   10% ~ 90%, non-condensing			
<b>Storage Temperature</b>	-4°F to ~ 158°F (-20°C ~ +70°C)   10% ~ 90%, non-condensing			
<b>Maximum BTU</b>	55.96 BTU/hr			
Dimensions and Weight				
<b>Rack Units   Wall Box</b>	0.56U			
<b>Height</b>	25mm/1in			
<b>Width</b>	234.4mm/9.23in			
<b>Depth</b>	143.5mm/5.65in			
<b>Weight</b>	0.66kg/1.45lbs			
Regulatory				
<b>Safety and Emission</b>	CE   FCC   RoHS			

# Right Product for the Right Application.

