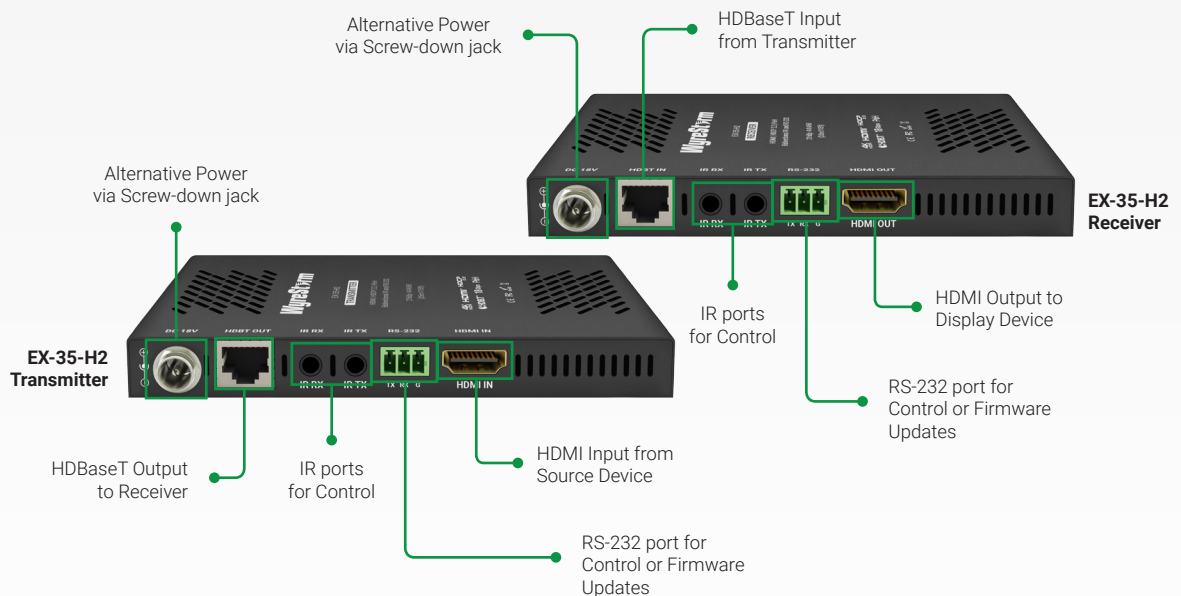


# HDBaseT 4K UHD Extender Set with 2-way PoH and Bidirectional IR & RS-232

EX-35-H2

WyreStorm®

## Specification Sheet



WyreStorm - Because the Technology Matters.

## Introduction

For extension of 4K UltraHD and HDR transmissions over medium distances in residential or commercial applications, the EX-35-H2 features the Class B HDBaseT™ platform with full HDR support to distribute 4K UHD HDR, audio, bidirectional IR/RS-232 and two-way PoH to remotely power either transmitter or receiver up to 35m/115ft or 1080p up to 70m/230ft.

## Key Features

- 4K UltraHD extender set capable of transmitting AV content over medium distances using single cable Cat6 cable
- HDBaseT™ Class B transmission of 4K HDR up to 35m/115ft and 1080p @60Hz 36bit up to 70m/230ft
- Full UHD 4K transmission supporting HDMI 2.0 video standards
- Supports all high definition resolutions including 4K UHD @30Hz 4:4:4 24bit | 4K HDR @24Hz 4:2:0 10bit (BT.2020) - see specifications for details
- Revised chipset increases compatibility with new 4K UHD source devices
- Transmits discreet wide-band bidirectional IR/RS-232 control signals together with HDMI over a single Cat5e/6 cable
- Low profile chassis of 15mm for easier, more convenient installations behind screens at display zones.
- 2-way PoH (Power over HDBaseT™) enables either transmitter or receiver to be remotely powered by the other locally powered so mains power connectivity is not required at both source and display location
- 2 Supports 2ch PCM and 7.1 multichannel audio up to DTS-X and Dolby Atmos
- HDCP 2.2 compliant
- 3D compatible
- Switchable RS-232 function mode on transmitter and receiver for firmware update
- Threaded bushings allow use of both standard and locking DC power plugs
- Visual LED indication for power, display connection signal status, HDBaseT™ link, and HDCPpresence in signal.
- Cable termination follows IEEE-568B standards
- Automatically adjusts feedback, equalization and amplification of signal for easy installation
- Energy efficient universal power supply included

## In the Box

1x EX-35-H2 Transmitter  
1x EX-35-H2 Receiver  
1x 18V DC 1A Power Supply (US/UK/EU)  
2x 3-pin Screw Down Phoenix Connectors

2x Wide-band IR Emitters  
2x Wide-band IR Receivers (30-50KHz)  
4x Mounting Brackets (1pr for TX and 1pr for RX)  
1x Quickstart Guide

# Specifications

Audio and Video				
	Transmitter	Receiver		
<b>Inputs</b>	1x HDMI 19-pin type A	1x HDBaseT 8-pin RJ-45 female		
<b>Outputs</b>	1x HDBaseT 8-pin RJ-45 female	1x HDMI 19-pin type A		
<b>Audio Formats</b>	2ch PCM   Up to DTS-X and Dolby Atmos			
<b>Video Resolutions (Max)</b>	<b>Resolution</b>	<b>HDMI</b>	<b>Cat6</b>	<b>Cat6a/7</b>
	1920x1080p @60Hz 12bit	15m/49ft	70m/230ft	70m/230ft
	1920x1080p @60Hz 16bit	7m/23ft	35m/115ft	70m/230ft
	3840x2160p @30Hz 4:4:4 8bit	7m/23ft	35m/115ft	70m/230ft
	3840x2160p @24Hz 4:2:0 HDR 10bit	3m/9.8ft	35m/115ft	70m/230ft
	4096x2160p @60Hz 8bit 4:2:0	7m/23ft	35m/115ft	70m/230ft
4096x2160p @60Hz 8bit 4:4:4	7m/23ft	N/A	N/A	
<b>Color Depth</b>	1080p: 12bit   4K UHD: 8bit   HDR @24p: 10bit per channel BT.2020			
<b>Maximum Pixel Clock</b>	297MHz			
Communication and Control				
<b>HDMI</b>	HDMI   HDCP 2.2   EDID   DVI/D supported with adapter (not included)			
<b>HDBaseT</b>	HDMI   HDCP 2.2   EDID   2-way PoH   Bidirectional IR and RS-232			
<b>IR</b>	1x IR TX 3.5mm (1/8in) Mono   Bidirectional over HDBaseT   1x IR RX 3.5mm (1/8in) Stereo   Bidirectional over HDBaseT			
<b>RS-232</b>	1x 3-pin Screw Down Phoenix Connector   Bidirectional over HDBaseT			
Power				
<b>Power Supply</b>	Input: 100~240V AC 50/60Hz   Output: 18V DC 1A			
<b>Max Power Consumption</b>	8.88W			
<b>PoH</b>	48V 15.4W			
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>	30.30 BTU/hr			
Dimensions and Weight				
<b>Rack Units</b>	<1U			
<b>Height</b>	17mm/0.67in			
<b>Width</b>	140mm/5.51in			
<b>Depth</b>	90.2mm/3.55in			
<b>Weight</b>	0.36kg/0.79lbs			
Regulatory				
<b>Safety and Emission</b>	CE			

Right Product for the Right Application.

