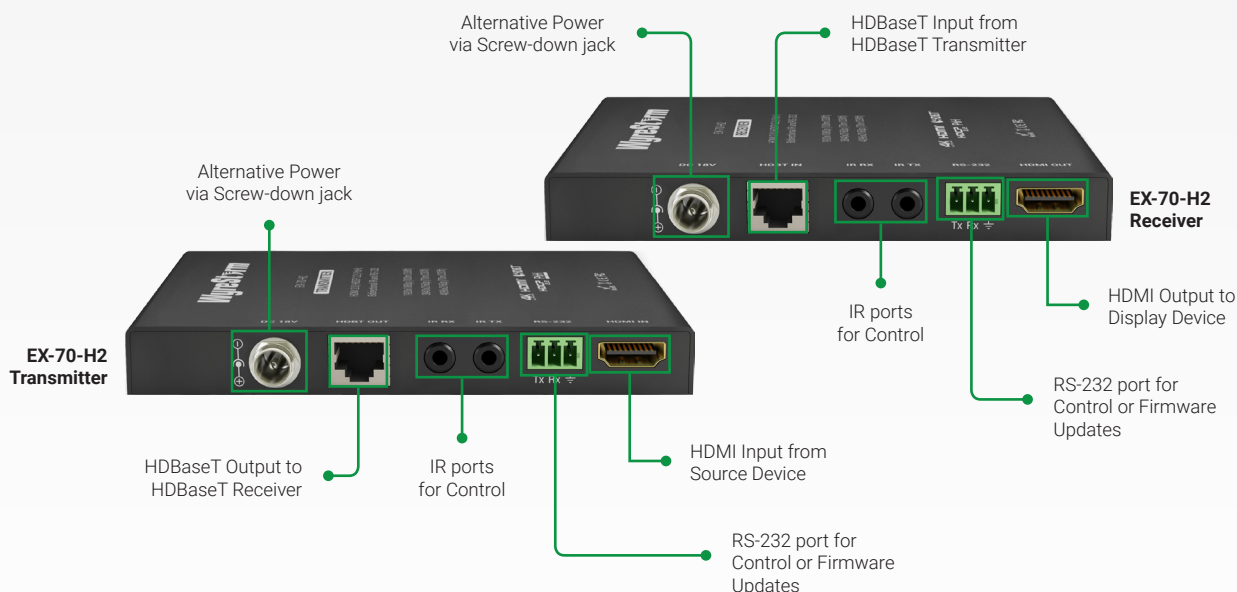


# HDBaseT 4K UHD Extender Set with 2-way PoH and Bidirectional IR & RS-232

EX-70-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-70-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 70m/230ft or 1080p up to 100m/328ft.

## 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 70m/230ft and 1080p @60Hz 36bit up to 70m/230ft
- Full UHD 4K transmission supporting HDMI 2.0 video standards
- Supports all high definition resolutions up to and including 4K UHD @30Hz 4:4:4 24bit | 4K HDR @24Hz 4:2:0 10bit (BT.2020) - see specification tab for full details
- Revised chipset increases compatibility with new 4K UHD source devices
- Transmits discreet wide-band two-way IR control signal / serial control commands together within HDMI signal over a single Cat5e/6
- Low profile chassis of 15mm for easier, more convenient installations behind screens at display zones
- HDCP 2.2 compliant
- Two-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
- 2ch PCM audio and multichannel HD audio supports 7.1, DTS-X and Dolby Atmos
- Switchable RS-232 function mode on transmitter and receiver for firmware update  
Note: Serial control via RS-232 only supported when connected to a compatible HDBaseT transmission device with routable RS-232
- Visual LED indication for power supply to units, signal status to show established display connection, HDCP presence in signal and HDBaseT link between devices
- Automatically adjusts feedback, equalization and amplification of signal for easy installation

## In the Box

1x EX-70-H2 Transmitter  
1x EX-70-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	
Inputs	1x HDMI 19-pin type A		1x HDBaseT 8-pin RJ-45 female	
Outputs	1x HDBaseT 8-pin RJ-45 female		1x HDMI 19-pin type A	
Audio Formats	2ch PCM   Up to DTS-X and Dolby Atmos			
Video Resolutions (Max)	Resolution	HDMI	Cat6	Cat6a/7
	1920x1080p @60Hz 12bit	15m/49ft	100m/328ft	100m/328ft
	1920x1080p @60Hz 16bit	7m/23ft	70m/230ft	100m/328ft
	3840x2160p @30Hz 4:4:4 8bit	7m/23ft	70m/230ft	100m/328ft
	3840x2160p @24Hz 4:2:0 HDR 10bit	3m/9.8ft	70m/230ft	100m/328ft
	4096x2160p @60Hz 8bit 4:2:0	7m/23ft	70m/230ft	100m/328ft
	4096x2160p @60Hz 8bit 4:4:4	7m/23ft	N/A	N/A
Color Depth	1080p: 16bit   4K UHD: 8bit   HDR @24p: 10bit BT.2020			
Maximum Pixel Clock	297MHz			
Communication and Control				
HDMI	HDMI   HDCP 2.2   EDID   DVI/D supported with adapter (not included)			
HDBaseT	HDMI   HDCP 2.2   EDID   2-way PoH   Bidirectional IR and RS-232			
IR	1x IR TX 3.5mm (1/8in) Mono   Bidirectional over HDBaseT   1x IR RX 3.5mm (1/8in) Stereo   Bidirectional over HDBaseT			
RS-232	1x 3-pin Screw Down Phoenix Connector   Bidirectional over HDBaseT			
Power				
Power Supply	Input: 100~240V AC 50/60Hz   Output: 18V DC 1A			
Max Power Consumption	9.5W			
Non-standard PoH	18V 9W			
Environmental				
Operating Temperature	32°F ~ 113°F (0°C ~ 45°C)   10% ~ 90%, non-condensing			
Storage Temperature	-4°F to ~ 158°F (-20°C ~ +70°C)   10% ~ 90%, non-condensing			
Maximum BTU	32.4 BTU/hr			
Dimensions and Weight				
Rack Units	<1U			
Height	17mm/0.67in			
Width	140mm/5.51in			
Depth	90.2mm/3.55in			
Weight	0.36kg/0.79lbs			
Regulatory				
Safety and Emission	CE			

*Right Product for the Right Application.*

