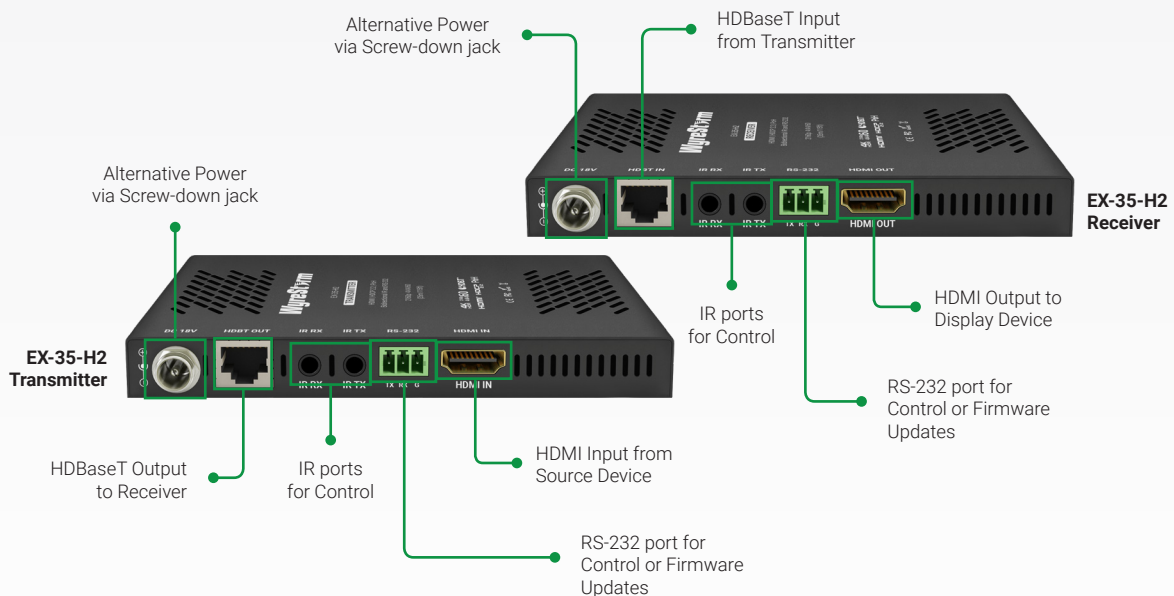


4K UHD 4:4:4/60 HDBaseT Extender with HDCP 2.2 and 2-way PoH (35m/115ft)

EX-35-H2



Specification Sheet



WyreStorm - Because the Technology Matters.

Introduction

Part of the latest generation of WyreStorm 4K extenders for the latest generation of 4K HDR content, the EX-35-H2 features dynamic compression technology to enable high frame rate HDR-10 and HLG content to be transmitted over standard 10Gbps HDBaseT, both visually losslessly and without latency.

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
- Supports 2ch PCM and 7.1 multichannel audio up to DTS-X and Dolby Atmos
- 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
- 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 HDCP presence 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

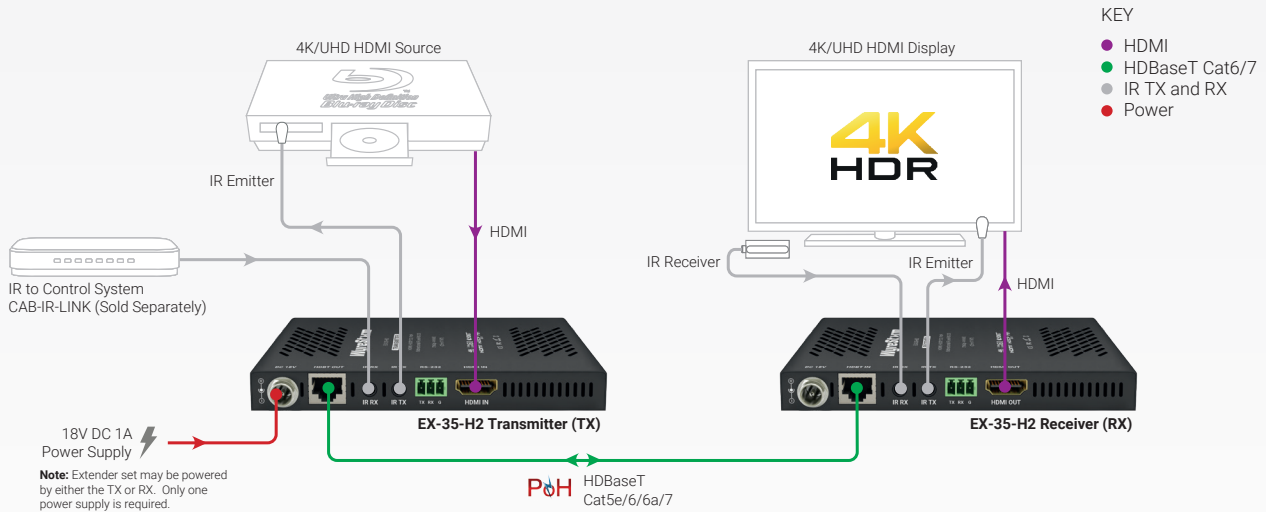
2x IR Emitters
2x IR Receivers
4x Mounting Brackets (2x for TX | 2x for RX)
1x Quickstart Guide

Note: This product has been released in multiple versions which have different feature sets and/or chassis designs. The differences are identified throughout this document where applicable.

Specifications

Audio and Video						
	Transmitter	Receiver				
Inputs	1x HDMI In: 19-pin type A	1x HDBT In: 8-pin RJ-45 Female				
Outputs	1x HDBT Out: 8-pin RJ-45 Female	1x HDMI Out: 19-pin type A				
Output Video Encoding	v1: HDBaseT Class B v2: Class A					
Encoding Data Rate	v1: 9.2Gbps v2: 18Gbps					
End to End Latency (Max)	10µs (micro seconds)					
Audio Formats	2ch Analog/PCM Multichannel: LPCM					
Video Resolutions (Max)	Video Resolution	HDMI	Cat6		Cat6a/7	
		v1/2	v1	v2	v1	v2
	1920x1080p @60Hz 12bit	15m/49ft	70m/230ft	70m/230ft	70m/230ft	70m/230ft
	1920x1080p @60Hz 16bit	7m/23ft	70m/230ft	70m/230ft	70m/230ft	70m/230ft
	3840x2160p @24Hz 10bit 4:2:0 HDR	3m/10ft	35m/115ft	35m/115ft	35m/115ft	35m/115ft
	3840x2160p @30Hz 8bit 4:4:4	7m/23ft	35m/115ft	35m/115ft	35m/115ft	35m/115ft
	3840x2160p @60Hz 10bit 4:2:0 HDR	3m/10ft	NA	35m/115ft	NA	35m/115ft
	4096x2160p @60Hz 8bit 4:2:0	7m/23ft	35m/115ft	35m/115ft	35m/115ft	35m/115ft
4096x2160p @60Hz 8bit 4:4:4	7m/23ft	NA	35m/115ft	NA	35m/115ft	
Supported Standards	DCI RGB HDR HDR10 Dolby Vision up to 30Hz HLG BT.2020 BT.2100					
Maximum Pixel Clock	HDMI: 600MHz HDBaseT: 297MHz					
Communication and Control						
HDMI	HDMI 2.0 HDCP 2.2 EDID CEC Pass-through DVI/D supported with adapter (not included)					
HDBaseT	HDMI 2.0 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	18V DC 1A					
PoH	48V 15.4W					
Max Power Consumption	8.88W					
Environmental						
Operating Temperature	0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing					
Storage Temperature	-20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing					
Maximum BTU	30.30 BTU/hr					
Dimensions and Weight						
Rack Units/Wall Box	<1U					
Height	15.2mm/0.6in					
Width	136.4mm/5.38in					
Depth	74.2mm/2.93in					
Weight	0.36kg/0.79lbs					
Regulatory						
Safety and Emission	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.