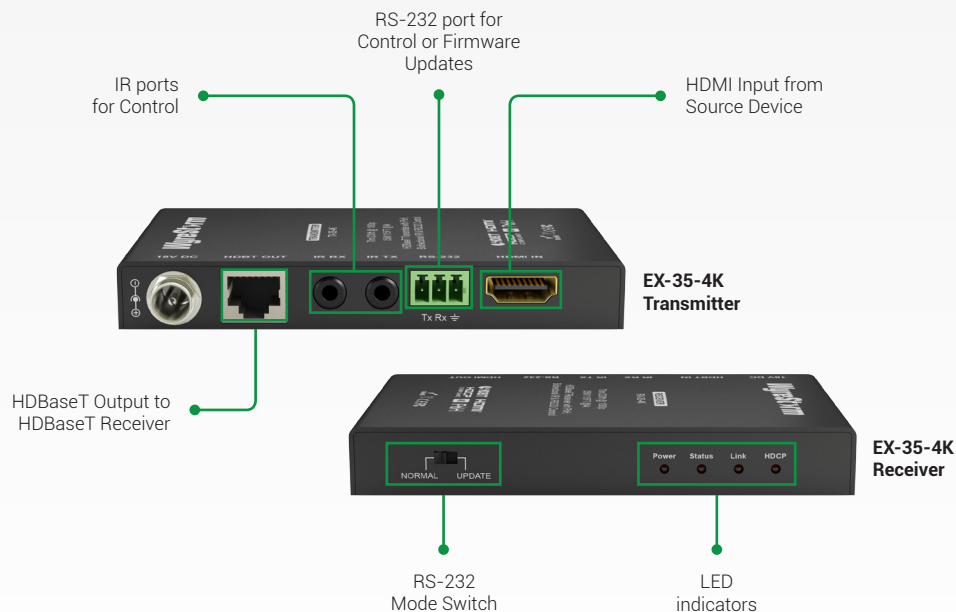


# HDBaseT 4K UHD Extender Set with 2-Way IR, RS-232 and PoH (4K to 35m/114ft - 1080p to 70m/230ft)

EX-35-4K

**WyreStorm**

## Specification Sheet



## Introduction

Pushing technology and design to the limit, the EX-35-4K extender set offers HDMI over HDBaseT distribution of 4K UltraHD and 1080p video, audio, bidirectional IR and RS-232 pass-through, remote power over medium/long distances (PoH) within an incredibly low profile chassis of just 15mm.

Featuring powerful, yet cost-effective Class B HDBaseT technology for projects that demand all the benefits of HDBaseT transmission, the EX-35-4K supports 70m/230ft transmissions of 1080p@60Hz with 36bit deep color, HD audio, 100w remote power from transmitter to receiver and bidirectional IR and RS-232 pass-through, all along a single Cat5e/6 cable.

4K UltraHD resolutions of both 3840x2160 and 4096x2160 are supported up to 35m/115ft.

## Key Features

- 4K UHD extender set capable of transmitting AV content over long distances using single cable Cat5e/6 cable
- Full UHD 4K transmission support within the 10.2Gbps spectrum of HDMI 1.4 standard
- Transmits discreet bidirectional IR control signal / serial control commands together within HDMI signal over a single Cat5e/6
- Low profile chassis of 15mm / 0.6" for easier, more convenient installations behind screens at display zones.
- One-way PoH (Power over HDBaseT) locally powered 18v DC transmitter passes power along the Cat5e/6 to remotely power the receiver (no power required at display)
- Multichannel HD audio supports 7.1 DTS Master HD and Dolby True HD
- Robust Class B HDBaseT transmission technology for stable distribution and control resistant to electrostatic and environmental interference compared to conventional UTP transmission.
- Supports all high definition resolutions: 4K UHD @30Hz 4:4:4 24bit, 4K UHD @60Hz 4:2:0 24bit (See Specifications tab)
- Switchable RS-232 function mode on transmitter and receiver for firmware update
- Visual LED indication for power supply, signal status, HDCP presence in signal and HDBaseT link between devices

## In the Box

WyreStorm EX-35-4K Extender Set comprising of:

- 1 x TX-35-4K Transmitter
- 1 x RX-35-4K Receiver
- 1 x 18V/1Amp DC universal power supply
- 2 x 3.5mm Phoenix male connector (3 pin)

- 2 x Wide-band IR Emitter
- 2 x Wide-band IR Receiver (30-50KHz)
- 2 x Pairs of EX-35-4K mounting brackets
- 1 x Quickstart guide

# Specifications

Audio and Video		
Inputs	<b>Transmitter</b> 1x HDMI 19-pin type A	<b>Receiver</b> 1x HDBT 8-pin RJ-45 female
Outputs	<b>Transmitter</b> 1x HDBT 8-pin RJ-45 female	<b>Receiver</b> 1x HDMI 19-pin type A
Audio Formats	2ch PCM   Up to DTS-X and Dolby Atmos	
Video Resolutions (Max)	<b>HDMI</b>	<b>Using Cat6/6a/7</b>
	1920x1080p @60Hz 48bit (15m/50ft)	1920x1080p @60Hz 36bit (70m/230ft)
	3840x2160p @24/25/30Hz 4:4:4 24bit (7m/23ft)	3840x2160p @24/25/30Hz 4:4:4 24bit (35m/115ft)
	3840x2160p @24Hz 4:2:0 HDR 10bit per channel (3m/9.8ft)	3840x2160p @24Hz 4:2:0 HDR 10bit per channel (35m/115ft)
	4096x2160p @60Hz 24bit 4:2:0 (7m/23ft)	4096x2160p @60Hz 4:2:0 24bit (35m/115ft)
Color Depth	1080p: 36bit   4K UHD: 24bit   HDR @24p: 10bit per channel BT.2020	
Maximum Pixel Clock	297MHz	
Communication and Control		
HDMI	HDCP 2.2   EDID   CEC Pass-through   DVI/D supported with adapter (not included)	
HDBaseT	HDCP 2.2   EDID   PoH (1-way TX to RX)   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		Dimensions and Weight
Power Supply	Input: 100~240V AC 50/60Hz   Output: 18V DC 1A	Height15mm/0.6in
Max Power Consumption	8.88W	Width109mm/4.3in
PoH	48V 15.4W	Depth64mm/2.52in
Environmental		Weight0.17Kg/0.37lbs
		Regulatory
Operating Temperature	32°F ~ 113°F (0°C ~ 45°C) 10% ~ 90%, non-condensing	Safety and EmissionCE   FCC   RoHS
Storage Temperature	-4°F ~ 158°F (-20°C ~ +70°C) 10% ~ 90%, non-condensing	
Maximum BTU	30.30 BTU/hr	

