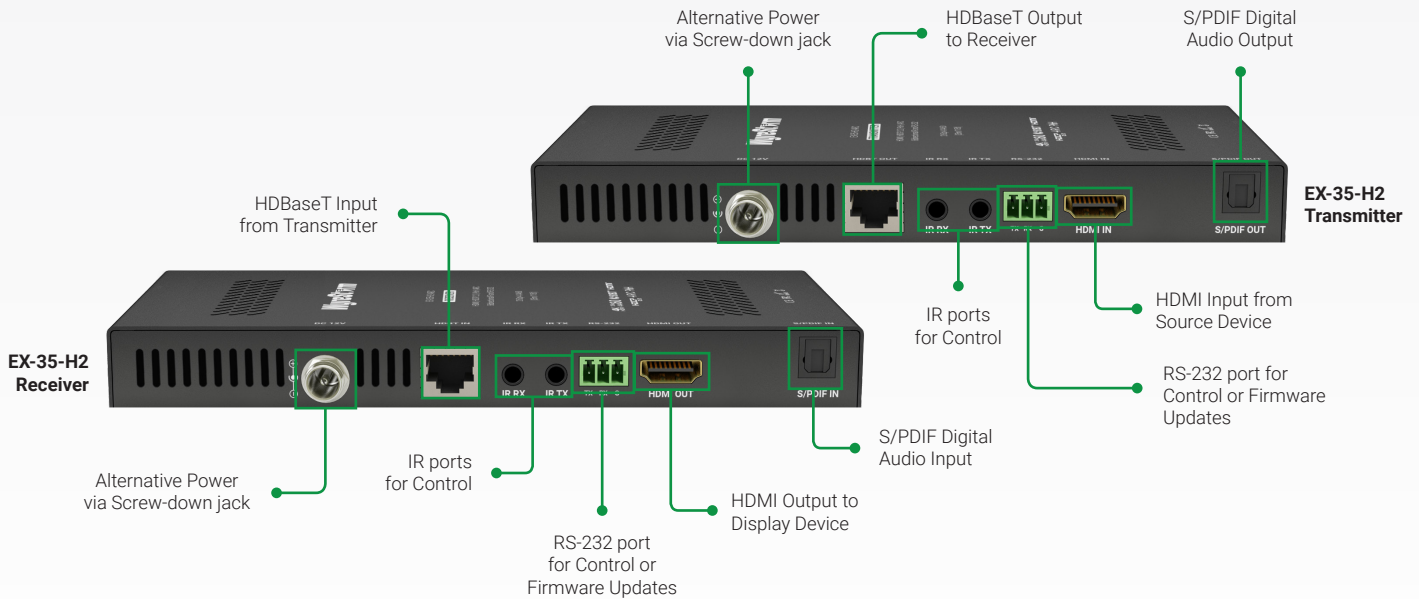


18Gbps 4K HDR HDBaseT Extender with True ARC and Audio Breakout

EX-35-H2-ARC

WyreStorm

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-ARC features dynamic compression for delivery of 4K/60 4:4:4 and HDR content up to 17.8Gbps over standard HDBaseT, both visually losslessly and without latency.

With support for HDR-10 and HLG up to 60Hz, and Dolby Vision™ at 30Hz, the EX-35-H2-ARC offers True Audio Return Channel (ARC), enabling an ARC signal from a Smart TV HDMI input to be passed to an AVR HDMI output.

Key Features

- Dynamic visually lossless compression enables extension of up to 4K/60 4:4:4 or HDR 60Hz content over HDBaseT to 35m/115ft and 1080p to 70m/230ft
- True ARC functionality extracts and sends 5.1 audio from a Smart TV to a compatible AVR via HDMI
- HDCP 2.2 compliant, with automatic variable compression supporting full bandwidth HDMI content up to 17.8Gbps
- Compatible with the latest HDR standards, including HDR-10+, HLG content, with support for Dolby Vision™ up to 30Hz
- Class B HDBaseT extends 4K UHD 4:4:4 content to 35m/115ft with IR & RS-232 pass-through
- Toslink input & output allows non-ARC audio to be sent from RX-TX via selection switch
- Analog stereo audio breakout of source audio on transmitter
- Advanced re-clocking chipset increases compatibility with new 4K UHD source devices
- 2-way PoH (Power over HDBaseT™) enables either transmitter or receiver to be remotely powered by the other unit
- Slimline 21mm chassis for easier, more convenient installation behind displays
- 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
- Threaded bushings allow use of both standard and locking 18v DC power plugs
- 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 equalization and amplification of signal for easy installation

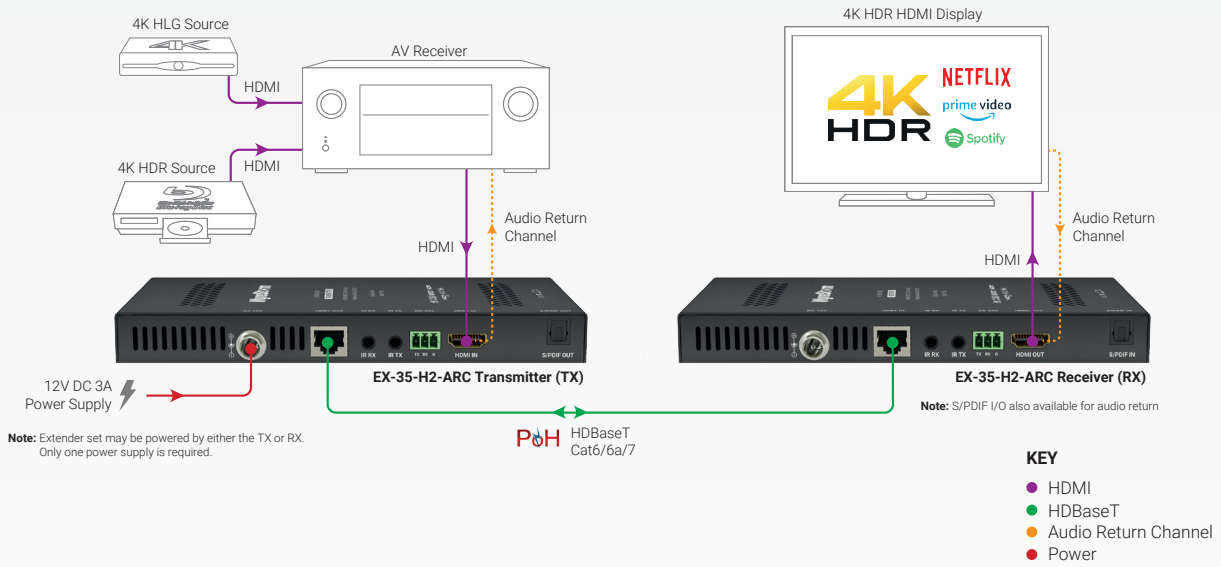
In the Box

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|---|--|
| 1x EX-35-H2-ARC Transmitter | 1x IR Emitter |
| 1x EX-35-H2-ARC Receiver | 1x IR Receiver |
| 1x 12V DC 3A Power Supply (US/EU/UK) | 4x Mounting Brackets (2x for TX 2x for RX) |
| 3x 3-pin Screw Down Male Phoenix Connectors | 1x Quickstart Guide |

Specifications

Audio and Video				
	Transmitter		Receiver	
Inputs	1x HDMI In: 19-pin type A		1x HDBT In: 8-pin RJ-45 Female 1x S/PDIF In: TOSLINK (Digital Optical)	
Outputs	1x HDBT Out: 8-pin RJ-45 Female 1x S/PDIF Out: TOSLINK (Digital Optical) 1x Source Audio Out: 3-pin Phoenix		1x HDMI Out: 19-pin type A	
Output Video Encoding	HDBaseT Class B			
Encoding Data Rate	9.2Gbps			
End to End Latency (Max)	10µs (micro seconds)			
Audio Formats	2ch Analog/PCM Multichannel: LPCM up to DTS-X and Dolby Atmos			
Video Resolutions (Max)	Video Resolution	HDMI	Cat6	Cat6a/7
	1920x1080p @60Hz 12bit	15m/49ft	70m/230ft	70m/230ft
	1920x1080p @60Hz 16bit	7m/23ft	35m/115ft	70m/230ft
	3840x2160p @24Hz 10bit 4:2:0 HDR	3m/10ft	35m/115ft	70m/230ft
	3840x2160p @30Hz 8bit 4:4:4	7m/23ft	35m/115ft	70m/230ft
	4096x2160p @60Hz 8bit 4:2:0	7m/23ft	35m/115ft	70m/230ft
	4096x2160p @60Hz 8bit 4:4:4	7m/23ft	35m/115ft	70m/230ft
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 HDCP 2.2 EDID ARC DVI/D supported with adapter (not included)			
HDBaseT	HDMI HDCP 2.2 EDID ARC 2-way PoH Bidirectional IR and RS-232			
CEC	CEC Pass-through – Requires CEC compatibility between source and display			
IR	1x IR RX: 3.5mm (1/8in) TRS Stereo 1x IR TX: 3.5mm (1/8in) TS Mono (Transmitter and Receiver)			
RS-232	1x RS-232: 3-pin Phoenix (Transmitter and Receiver)			
ARC (Audio Return Channel)	Supports true ARC from display to the transmitter over HDBaseT.			
Power				
Power Supply	12V DC 3A			
PoH	48V 15.4W 2-way			
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	21mm/0.83in			
Width	195mm/7.68in			
Depth	94.8mm/3.74in			
Weight	0.36kg/0.79lbs			
Regulatory				
Safety and Emission	CE FCC RoHS			

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.