



HDR HDBaseT Extender

EX-35-H2-ARC

SKU: 20559 UPC: 814303000000

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.

Knowing the speed at which technology moves, at WyreStorm we™re always looking ahead. That's why we™ve implemented our VLC chipset (Visual Lossless Compression) into this model meaning it's ready for the next shift in content technology: 60Hz HDR and 4:4:4 60Hz.

The latest 4K UHD content arriving via satellite, cable, disc or stream is all heavily encrypted. Being part of the H2 product family, the EX-35-H2 supports the multi-point distribution of this content over HDBaseT.

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

AUDIO AND VIDEO Inputs 1x HDMI 19-pin type A 1x HDBaseT 8-pin RJ-45 Female Outputs 1x HDBT Out: 8-pin RJ-45 Female 1x HDMI 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 Formats 101¼s (microseconds) Audio Formats 2ch Analog/PCM | Multichannel: LPCM Video Resolutions (Max) 1920x1080p @60Hz 12bit 1920x1080p @60Hz 16bit 3840x2160p @24Hz 10bit 4:2:0 HDR 3840x2160p @30Hz 8bit 4:4:4 3840x2160p @60Hz 10bit 4:2:0 HDR 4096x2160p @60Hz 8bit 4:2:0 4096x2160p @60Hz 8bit 4:4:4 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



HDBaseT1x 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 Max Power Consumption 8.88W PoH 48V 15.4W 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 & WEIGHT Rack Units/Wall Box <1U <1U Height 15mm/0.6in 15.2mm/0.6in Width 109mm/4.3in 136.4mm/5.38in Depth 64mm/2.52in 74.2mm/2.93in Weight 0.17kg/0.37lbs 0.36kg/0.79lbs REGULATORY Safety and Emission CE | FCC | RoHS | RCM