



4K UHD 4:4:4/60 HDBaseT Extender

EX-70-H2

SKU: 20560



Part of the latest generation of WyreStorm 4K extenders for the latest generation of 4K HDR content, the EX-70-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 (Visually Lossless Compression) into this model meaning it's ready for the next shift in content technology: 4K 60Hz 4:4:4 HDR.

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-70-H2 supports the multi-point distribution of this content over HDBaseT.

Installers shouldn't experience problems because of source equipment they have no control over. That's why all extenders in the WyreStorm H2 family automatically re-clock the source signal, overcoming clock-stretching issues found in certain source devices.

No 2 installs are the same; that's why we™ve enabled all of the H2 extender line up to be powered from either the TX or RX, meaning maximum flexibility on-site without hunting for a mains outlet.

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 In: 19-pin type A 1x HDBaseT 8-pin RJ-45 female Outputs 1x HDBT Out: 8-pin RJ-45 Female, 1x HDMI Loop Out: 19-pin type A 1x HDMI Out: 19-pin type A Output Video Encoding HDBaseT Class A Encoding Data Rate 9.2Gbps End to End Latency (Max) 10¼s (microseconds) Audio Formats 2ch PCM | Multichannel



up to DTS-X and Dolby Atmos 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 HDMI Supported Standards DCI | RGB | Dolby Vision @ 30Hz | HLG | HDR-10 Maximum Pixel Clock HDMI: 600MHz | HDBaseT: 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, RS-232, and Ethernet CEC CEC Pass-through - Requires CEC compatibility between source and display IR 1x IR TX: 3.5mm (1/8in) TS Mono | 1x IR RX: 3.5mm (1/8in) TRS Stereo RS-232 1x RS-232: 3-pin Terminal Block Ethernet 1x Ethernet: 8-pin RJ-45 Female POWER Power Supply 18V DC 1A PoH IEEE 802.3af 48V 15.4W Max | 2-Way Max Power Consumption 4.68W 6.84W 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 16 BTU/hr 24 BTU/hr DIMENSIONS & WEIGHT Rack Units/Wall Box <1U Height 21mm/0.83in Width 210mm/8.27in Depth 94.8mm/3.7in Weight 0.24kg/0.53lbs REGULATORY Safety and Emission CE | FCC | RoHS | RCM