



## 100m 4K HDBaseT Extender with USB

EX-100-H2

SKU: 110378

The EX-100-H2 uses the powerful HDBaseT 2.0 chipset to send along 4K, USB, PoH and HD audio up to 100m/328ft with a single Cat 6 cable. This extender hosts the perfect combination of features to give you the tools you need to set up your next conference or presentation. With separate audio lanes, you're free to send audio independently to overlay your presentation.

With data transfers in mind, the EX-100-H2 is equipped with the fastest USB hardware HDBaseT is currently capable of; USB 2.0 and up to 190Mbps, which is everything you need to set up HD webcams, smart whiteboards, transfer data and so much more!

### HDBASET SPEC 2.0

Featuring the powerful Class C HDBaseT chipset, UHD video & audio, USB, RS-232 and PoH are sent and distributed losslessly over distances of 100m/328ft.

### USB 2.0 PASSTHROUGH

Equipped with the HDBaseT 2.0 spec, the EX-100-H2 not only provides KVM functionality for extension of keyboard/mouse or touchscreen, but also transfers the highest data rate that HDBaseT has to offer of 190Mbps, for webcams, white boards and USB data drives.

### BIDIRECTIONAL AUDIO LANE

Two separate audio feeds can also be sent bidirectionally, thanks to a dedicated audio pass-through that allows 2ch analog to be sent and received at either end completely independent of the HDMI signal.

### Power Over HDBaseT

A standard feature in most WyreStorm extenders, simply power the transmitter side of the extender and the receiver will power over the category cable. Reducing points of failure and making installation easier.

### Features

- Supports the latest UHD resolutions including HDR10, HDR 10+, HLG and Dolby Vision formats
- Extend 4K@60Hz (4:2:0) content up to 100/328ft meters using Cat6a cabling or higher
- USB data transfers of up to 190Mbps for webcams and peripherals
- High-speed USB 2.0 pass-through up to 100 meters/328ft
- Supports full CEC passthrough via TV remote to control connected AV equipment such as AVR volume or menu navigation
- PoH allows the transmitter to power the receiver over category cable
- Backwards compatible with HDBaseT 1.0 transmission and receiving devices (lowest denominator takes priority)
- LED indication for power supply to units, signal status to show established display connection, HDCP presence in signal and transmission link
- Locking DC power jacks
- 12v DC PSU with US, UK, EU & AU Power cables included
- Mounting brackets included

Specifications AUDIO AND VIDEO Transmitter Receiver Inputs 1x HDMI In: 19-pin type A 1 x Audio in: 3.5mm (1/8in) TRS Stereo 1 x HDBT in: 8-pin RJ45 Female 1 x Audio in: 3.5mm (1/8in) TRS Stereo Outputs 1x HDBT Out: 8-pin RJ-45 Female 1x Audio Out: 3.5mm (1/8in) TRS Stereo 1x HDMI Out: 19-pin type A 1x Audio out: 3.5mm (1/8in) TRS Stereo Output Video Encoding HDBaseT Class C Encoding Data Rate 10.2Gbps End to End Latency 10<sup>1</sup>/<sub>4</sub>s (microseconds) Audio Formats 2ch Analog/PCM | Multichannel: LPCM up to DTS-X and Dolby Atmos Video Resolutions (Max) Video Resolution 1920x1080p @60Hz 12bit 3840x2160p @30Hz 8bit 4:4:4 3840x2160p @30Hz 12bit 4:2:2 HDR 3840x2160p @30Hz 8bit 4:4:4 HDR HDMI 7m/23ft 15m/49ft 5m/16ft 7m/23ft Cat6 70m/230ft 70m/230ft 70m/230ft Cat6a/7 100m/328ft 100m/328ft 100m/328ft 100m/328ft Supported Standards DCI | RGB | HDR10 | Dolby Vision up to 30Hz | HLG | BT.2020 | BT.2100 Maximum Pixel Clock 340MHz COMMUNICATION AND CONTROL HDMI HDMI | HDCP 2.2 | EDID | CEC Pass-through | DVI/D supported with adapter (not included) HDBaseT HDMI | HDCP 2.2 | EDID | Line Audio | 1-way PoH (TX powers RX) | Bidirectional RS-232 | CEEC RS-232 1x RS-232: 3-pin Phoenix (Transmitter and Receiver) USB 1x Type B (host | 4x Type A (device) Maximum uplink speed: 190Mbps POWER Power Supply 12V DC 2A Max Power Consumption 12W ENVIRONMENTAL Operating Temperature 32°F ~ 113°F (0°C ~ 45°C) | 10% ~ 90%, non-condensing Storage Temperature -4°F to ~ 158°F (-20°C ~ +70°C) | 10% ~ 90%, non-condensing Maximum BTU 41 BTU/hr DIMENSIONS & WEIGHT Rack Units/Wall Box <1U Height 21mm/0.83in Width 250mm/9.84in Depth 90.2mm/3.55in Weight 0.9kg/1.98lbs REGULATORY Safety and Emission CE | FCC | RoHS | RCM | EAC