

HDBaseT™ ULTRA CLASS C EXTENDER SET



OVERVIEW

HDR and 4K/60 4:4:4 video content requires data rates exceeding 10 Gbps and up to 18 Gbps – a significant challenge for extending signals over HDBaseT. The P8-HDBT2-U-EXSET provides the answer with Display Stream Compression (DSC) a visually lossless video compression technology that applies extremely light line by line compression that causes no latency. This enables transmission of HDR and 4K/60 4:4:4 over a single category cable while ensuring very high, pristine image quality.

At just 13mm, our ultra thin HDBaseT transmitter and receivers are perfect for discrete mounting behind the latest displays and providing the most demanding clients with an ultra flat finish.

KEY FEATURES

- An ultra thin 13mm depth enclosure
- Extend 4K/1080p up to 100 meters over a single Cat5e/6/7 cable
- Wall Mountable*
- ARC (Audio Return Channel), enabling audio from the TV to be returned to the remote location with just the HDMI cable
- Bi-Directional Infra-Red Transmission
- Ethernet 10/100 Connection
- Audio return via Analogue or Toslink*
- Serial RS232 via 3.5mm*
- HDCP 2.2 Compliant
- DSC support - for HDR and 4K/60 4:4:4 over HDBaseT link

*Optional Extra

TECHNICAL DATA

Dimensions (WxHxD):	14.8cm / 1.3cm / 10.5cm
Material:	Aluminium
Room Operating Temperature Range:	0 to +35°C (32 to +95°F)
Room Operating Humidity Range:	20 to 90% RH (no condensation)
Power Supply:	1 x 48V @ 0.5A (TX only)
Power Consumption:	Transmitter 7.3W Receiver 8W
Video Input:	Transmitter 1 X HDMI 2.0a Receiver 1 X HDBaseT Class C (Ultra)
Video Output:	Transmitter 1 X HDBaseT Class C (Ultra) Receiver 1 X HDMI 2.0a
Colour Depth:	Up to 12bit
Max Video Bandwidth:	600MHz/18Gbps
Encryption:	HDCP 1.4 and HDCP 2.2
Supported Video Resolutions:	All 4K formats up to 4:4:4 @ 60Hz including 4:2:2 60Hz HDR 10, 720p, 1080i, 1080p (+3D)
Supported Audio Formats:	PCM 2.0, LPCM 2.0, LPCM 5.1, LPCM 6.1, LPCM 7.1, Dolby Digital 2.0, Dolby Digital 5.1, Dolby Digital EX 6.1, Dolby Digital Plus 7.1, Dolby TrueHD 5.1, Dolby TrueHD 7.1, Dolby Atmos 5.1.2, Dolby Atmos 5.1.4, Dolby Atmos 7.1.2, Dolby Atmos 7.1.4, Dolby Atmos 9.1.2, DTS 5.1, DTS-HD Master 5.1, DTS-HD Master 7.1, DTS 96/24 5.1, DTS-ES Discrete 6.1, DTS-ES Matrix 6.1
ESD (Lightning) Protection:	± 8kV (Air-gap discharge) ± 4 kV (Contact discharge)
Certification:	CE, FCC, RoHS

PULSE-EIGHT RESERVES THE RIGHT TO CHANGE PRODUCTS, INFORMATION AND SPECIFICATIONS WITHOUT NOTICE.

Products and specifications discussed herein are for reference purposes only. All information discussed herein is provided on an "AS IS" basis, without warranties of any kind. This document and all information discussed herein remain the sole and exclusive property of Pulse-Eight Limited. No license of any patent, copyright, mask work, trademark or any other intellectual property right is granted by one party to the other party under this document, by implication, estoppel or otherwise. Pulse-Eight products are not intended for use in life support, critical care, medical, safety equipment, or similar applications where product failure could result in loss of life or personal or physical harm, or any military or defence application, or any governmental procurement to which special terms or provisions may apply. All brand names, trademarks and registered trademarks belong to their respective owners.

© 2017 Pulse-Eight Limited. All rights reserved.



Receiver



Transmitter



Pulse-Eight Limited . 8-12 Alder Hills . Poole . Dorset . BH12 4AL . UK
 sales@pulse-eight.com | +44 (0)1202 413610
 pulse-eight.com