

neo:

PROFESSIONAL

P8-HDBT-L-FFMS44-22-KIT TECHNICAL SPECIFICATION

VIDEO DISTRIBUTION WITH BUILT IN CONTROL

Our flagship 4x4 HDBaseT matrix with 2 mirrored HDMI ports, includes 4 HDBaseT 70m Class B (Lite) PoH receivers.

neo:4 Professional represents the culmination of many years of hardware and software development at Pulse-Eight, our HDBaseT video matrix solutions are in tune with the times, designed to offer you exactly what you the professional AV installer and the end user needs.



DESIGNED
BUILT
SUPPORTED
IN THE UK



4X4 HDBaseT MATRIX WITH HDCP 2.2



WORKS WITH
ALEXA



REMOTE
MONITORING



WEB
INTERFACE



HDBaseT™
DIAGNOSTICS



libCEC



SKY IP
CONTROL



3 YEAR
WARRANTY

HDMI™ eHDBT™ HDCP 2.2 4K ULTRA HD amazon alexa

+44 (0)1202 413610 pulse-eight.com/neo

KEY FEATURES

Ultra HD 4K Video Transmission
(upto 340Mhz), 1080p, 3D
4x HDMI Inputs
4x HDBaseT Class B (Lite) Outputs
2x HDMI Outputs (Mirrored)
HDMI-CEC Bi-Directional Control
Bi-Directional IR Control
Responsive Web Interface
Automatic EDID Management
Three year standard warranty



WORKS WITH ALEXA

With the neo Alexa skill enabled on your Amazon Echo or Amazon Dot you can use voice commands to control devices connected to a neo matrix. Fully certified by Amazon, this integration is native to Alexa and requires no configuration.



REMOTE MONITORING

Keep in contact with the matrix at any time, from anywhere with our cloud management service. Simply log into our cloud portal and see helpful diagnosis information to help fix any problems remotely or tell you where issues may have occurred during installation. All of this is free of charge with every matrix! If neo has a problem, we are alerted too and, if required, can contact you to arrange step by step support to get you up and running again.



WEB INTERFACE

Accessing the web interface couldn't be easier, simply enter **www.gotomymatrix.com** in your browser, or download the Android app on any device connected to the same network - this will automatically send you to the web interface and display the right version for your device. It's that straight forward! Through this interface you can switch source devices via the drag and drop interface as well as gaining access the virtual remote control. The web interface enables any user to control the matrix without any technical knowledge needed.



libCEC

Most TVs now support CEC and we are world experts in CEC technology - meaning you can now use your normal TV remote to control and select source devices, even if the source does not support CEC itself as neo will automatically relay the necessary messages to your source device.



SET TOP BOX IP CONTROL

We have implemented IP control with dynamic forwarding. Meaning that you can now control set top boxes via CEC! Working with Sky HD, Sky Q, Tivo/Virgin, Dish Hopper and Kodi, this type of IP Based control is a first for a matrix and removes the need for any IR control in your system, removing that annoying weak link in your setup.



BUILT IN BRITAIN

Everything that we design, we manufacture and support ourselves, all from our 24,000 sq ft facility in Poole, Dorset in the UK. Our production team is passionate about perfection and each system goes through an extensive series of quality tests before it's hand packed and shipped to you, including a rigorous test process before despatch, ensuring what you receive is ready for prime time.



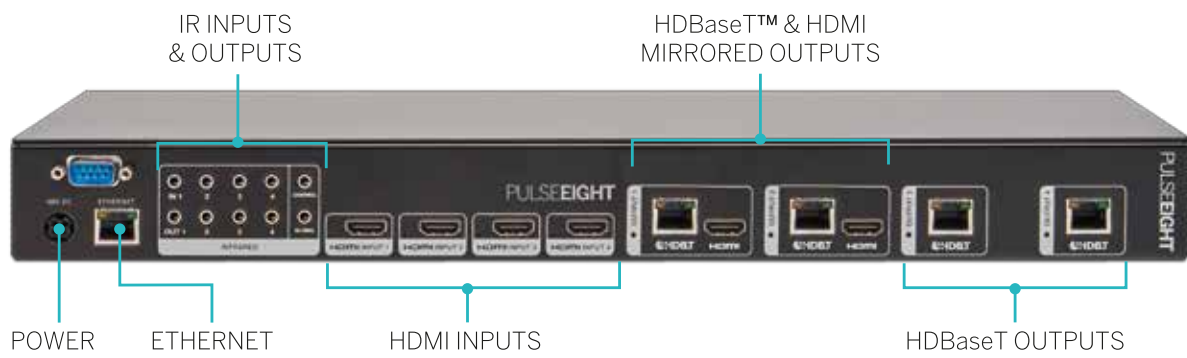
CONTEXTUAL IR

You can easily program the matrix to respond to different IR codes, it's simple to do via our built in web interface. Just point the remote at an IR receiver and press the key. Each key is memorized for you to assign to an account, be it routing video to your display or sending a control message to a connected device.



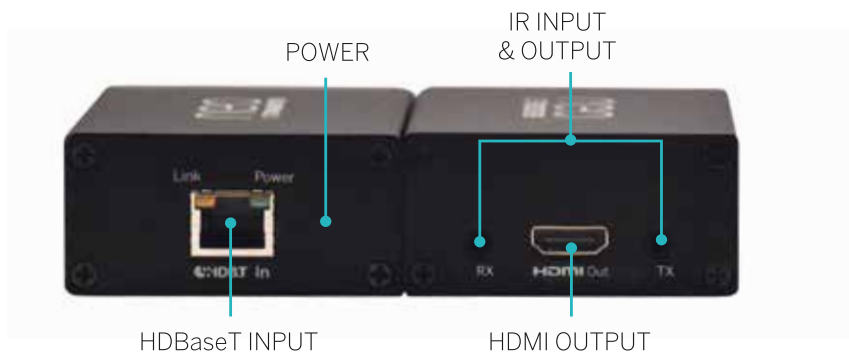
3 YEAR WARRANTY

All of our matrixes come with a free standard 3 year warranty as standard, whereby if at any point during the warranty the unit becomes faulty you can return it back to us for repair. However, you may wish to take advantage of our advanced 3 year warranty or extended 5 year warranty.



neo:4 PROFESSIONAL MATRIX

Input	4x HDMI 2.0a 4x IR Receiver	Control	1x Ethernet (IP Control Port) 1x RS232
Output	4x HDBaseT™ Class B (Lite) 2x HDMI 2.0a (Mirrored) 4x IR Emitter	Dimensions	(W) 43 cm / (H) 4.5 cm / (D) 14 cm
		Weight	2.05 kg



neo:LITE HDBaseT™ RECEIVERS

Input	1x HDBaseT™ Class B (Lite) 1x IR Receiver	Dimensions	(W) 10 cm / (H) 3.3 cm / (D) 6.5 cm
Output	1x HDMI 2.0a 1x IR Emitter	Weight	177g

IN THE BOX

neo:4 Professional Chassis
P8-HDBT-L-RX-S 4x neo:Lite Receiver
Rack Mounting Kit
48V External Power Supply

Country Specific Power Cord
P8-IRPACK 4x Infrared Blaster Cable Pack
Installation Guide
P8-4REMOTE Context Sensitive 4 Button IR Remote

TECHNICAL DATA

Dimensions (WxHxD):	43 cm / 4.5 cm / 14 cm
Weight:	2.05kg
Material:	Smooth textured powder coated steel
Operating Temperature Range:	0 to +35°C (32 to +95°F)
Operating Humidity Range:	5 to 90 % RH (no condensation)
Power Supply:	Captive locking DC jack - 48V @ 2.5Amps
Power Consumption:	120W
Video Input:	4x HDMI 2.0a
Clock Speed:	Input: 340Mhz, Output: 340Mhz
Video Output:	4x HDBaseT Class B (Lite) 2x HDMI 2.0a (Mirrored)
Colour Supported:	4K/24bit, 1080p/36bit
3D Supported:	Up to 1080/24p - Frame packing/sequential (Blu-ray), Interlaced stereoscopic (satellite/cable broadcasts)
Additional:	HDMI 2.0a 3840 x 2160p 60Hz YCC 4:2:0 format pass-through
Encryption:	HDCP and HDCP 2.2
Supported Video Resolutions:	720p, 1080i, 1080p (+3D), 4k (30Hz) 4:4:4, 4k (50/60Hz) 4:2:0
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 Protection:	± 8kV (Air-gap discharge) ± 4 kV (Contact discharge)
Surge Protection:	IEC 61000-4-4 (EFT) 40A (5/50ns) IEC 61000-4-5 (Lightning) 25A (8/20µs)
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.

© 2018 Pulse-Eight Limited. All rights reserved.



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