

# 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 4 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



REMOTE  
MONITORING



WEB  
INTERFACE



HDBaseT™  
DIAGNOSTICS



libCEC



SATELLITE TV  
IP CONTROL



WORKS WITH  
ALEXA



3 YEAR  
WARRANTY

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

Tel: 954-327-5770 | [www.spcat5e.com](http://www.spcat5e.com)

## 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.



### DTV/DISH IP CONTROL NEW FOR 2017 Q3

If you are in the know then you might be thinking that DTV/Dish doesn't support CEC? And you would be correct. However we have implemented IP control with dynamic forwarding. This means that you can now control DTV/Dish via CEC! IP Based Dish/DTV Controls is a first for a matrix switch 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 12,000 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.



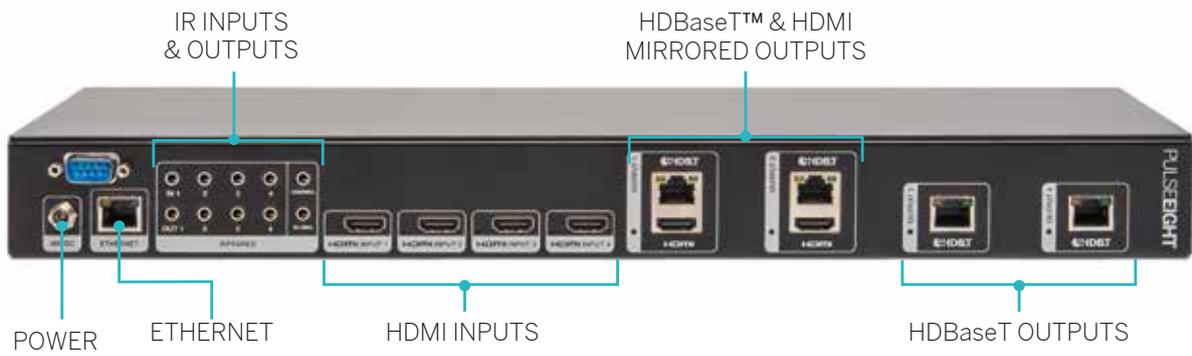
### CONTEXTUAL IR

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.



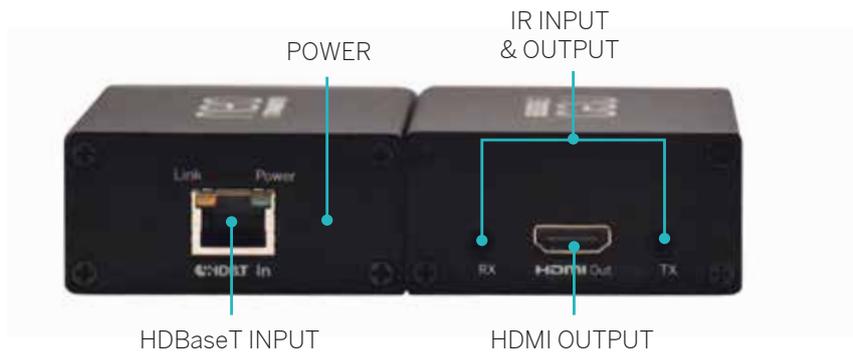
### 3 YEAR WARRANTY

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	4× HDMI 2.0a 4× IR Receiver	Control	1x Ethernet (IP Control Port) 1x RS232
Output	4× HDBaseT™ Class B (Lite) 2x HDMI 2.0a (Mirrored) 4× 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	Country Specific Power Cord
P8-HDBT-L-RX-S 4x neo:Lite Receiver	P8-IRPACK 4x Infrared Blaster Cable Pack
Rack Mounting Kit	Installation Guide
48V External Power Supply with locking connector	P8-4REMOTE Context Sensitive 4 Button IR Remote

# TECHNICAL DATA

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

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