

# neo

## 8X8 MODULAR MATRIX

P8-MM88

### TECHNICAL SPECIFICATION

#### VIDEO DISTRIBUTION WITH BUILT IN CONTROL

Modular 4K is our award-winning, premium range of customisable HDMI matrix switchers capable of routing, switching and distributing high-bandwidth signals, up to and including 4K ULTRA HD.

With Modular 4K, you can mix and match input and output module types to custom build your matrix to the required size and specification, and even integrate a remote source away from the rack. Every Modular 4K matrix is manufactured in the UK, giving the product dependable build quality and reliable switching performance.

DESIGNED  
BUILT  
SUPPORTED  
IN THE UK



WEB  
INTERFACE



REMOTE  
MONITORING



libCEC



HDBaseT™  
DIAGNOSTICS



4K + 1080P  
SUPPORTED



PoH AS  
STANDARD



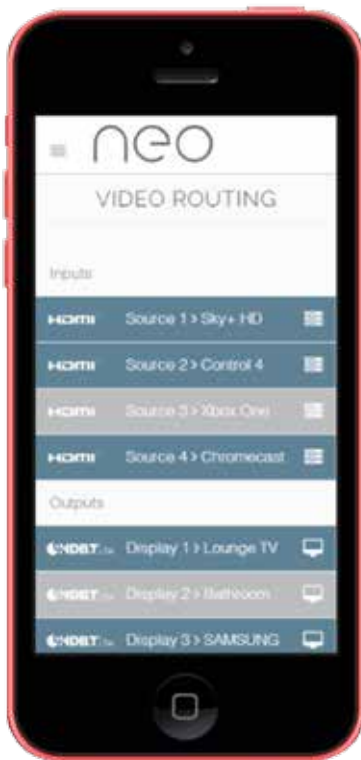
3 YEAR  
WARRANTY



+44 (0)1202 413610 [pulse-eight.com/neo](http://pulse-eight.com/neo)

## KEY FEATURES

- Ultra HD 4K Video Transmission (upto 340Mhz), 1080p, 3D
- 8 x Input Modules
- 8 x Output Modules
- HDMI-CEC Bi-Directional Control
- Bi-Directional IR Control
- Responsive Web Interface
- Automatic EDID Management
- Three Year Standard Warranty
- Control System Support



With MatrixOS you can control your matrix from any mobile device that is connected to the same network, simply by visiting [www.gotomymatrix.com](http://www.gotomymatrix.com)

## BRITISH BUILT

Our neo systems are designed, built and supported at our head office in the UK. We pride ourselves on being British. Our highly trained assembly team allow you to trust the build quality of our systems. Our standard three year warranty is there should you ever need it giving you total peace of mind.

## MATRIXOS

At the core of neo is MatrixOS the beating heart of our 340Mhz video processing unit. Providing you with instant access to all of your connected source devices in stunning Ultra HD 4K, 1080p or 3D. This powerhouse helps to create a "just works" solution, from dynamically generating EDIDs (to ensure the best video quality to every TV) right through to handling software updates for the HDBaseT link. With one goal in mind. Giving you the best possible video distribution system in the world.

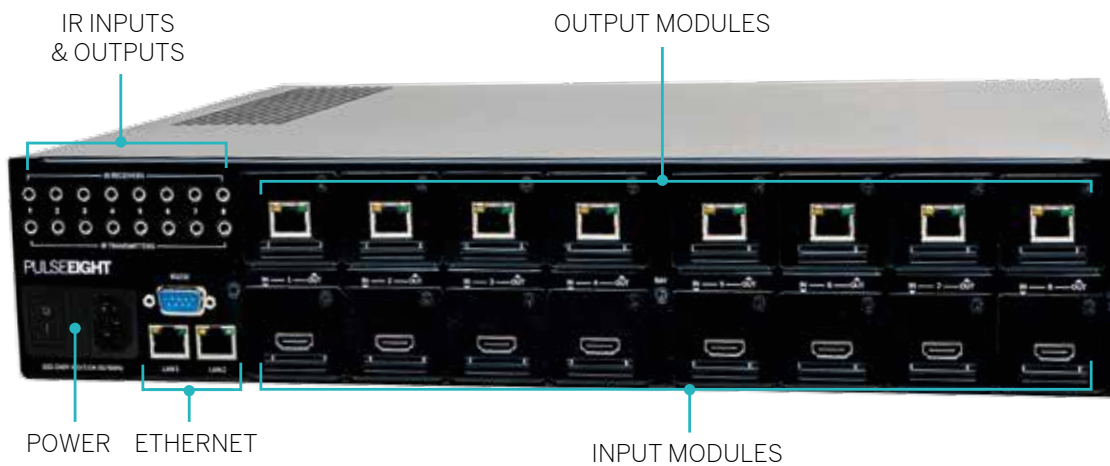
## CEC CONTROL

Additionally, MatrixOS allows installers to tap into the powerful capabilities of CEC control. HDMI-CEC triggers functions by communicating directly via the existing HDMI cable. No IR kit or cables are required with CEC, making for an easier and neater installation. Use CEC to change sources at a display using the TV's own remote and take advantage of Device OSD Name Transfer.

## HDBaseT LITE OR PRO

neo:8 Modular offers both HDBaseT Lite and Pro Transmitter modules, complete your choice with the appropriate neo Receiver - Lite for up to 70m or Pro for up to 100m.





## neo:8 MODULAR MATRIX

Input	Up to 8 Modules 8x IR Receiver
Output	Up to 8x Modules 8x IR Emitter
Dimensions	(W) 43 cm / (H) 8.9 cm / (D) 41 cm
Weight	7kg +

## HDBaseT™ RECEIVERS

	Choice of Lite (70m) or Pro (100m)
Input	Pro: 1x HDBaseT™ Class A (Pro) Lite: 1x HDBaseT™ Class B (Lite)
Output	1x HDMI 2.0a



## MODULES

### HDMI INPUT/OUTPUT

Dimensions	W 3.8 / H 3.8 / D 15cm
Weight	0.11 kg
Input or Output	1x HDMI

### HDMI 2.0A OUTPUT

Dimensions	W 3.8 / H 3.8 / D 15cm
Weight	0.10 kg
Output	1x HDMI 2.0a

### HDMI 2.0A INPUT

Dimensions	W 3.8 / H 3.8 / D 15cm
Weight	0.10 kg
Output	1x HDMI 2.0a

### HDBaseT™ LITE OUTPUT

Dimensions	W 3.8 / H 3.8 / D 15cm
Weight	0.10 kg
Output	1x HDBaseT™ Class B (Lite)

### HDBaseT™ PRO INPUT

Dimensions	W 3.8 / H 3.8 / D 15cm
Weight	0.10 kg
Output	1x HDBaseT™ Class A (Pro)

### HDBaseT™ PRO OUTPUT

Dimensions	W 3.8 / H 3.8 / D 15cm
Weight	0.10 kg
Output	1x HDBaseT™ Class A (Pro)

## COMPATIBLE DRIVERS



# TECHNICAL DATA

<b>Dimensions (WxHxD):</b>	43 cm / 8.9 cm / 41 cm
<b>Weight:</b>	7.3kg
<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>	1 x IEC C14 Inlet - 100-240V 4.0/2.0A 50/60Hz
<b>Power Consumption:</b>	Max 2Amps @ 240V
<b>Video Input:</b>	Up to 8 Input Modules - HDMI or HDBaseT™ Class A (Pro)
<b>Clock Speed:</b>	Input: 340Mhz, Output: 340Mhz
<b>Video Output:</b>	Up to 8 input modules. HDMI, HDBaseT™ Class A (Pro) or HDBaseT™ Class B (Lite)
<b>Color 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 (with upgraded input module)
<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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3490 SW 30th Avenue, Dania Beach, FL 33312  
 Tel: 954-327-5770 | Email: sales@scpcat5e.com  
 www.scpcat5e.com