



# 8X8 MODULAR MATRIX

P8-MM88

## TECHNICAL SPECIFICATION

### VIDEO DISTRIBUTION WITH BUILT IN CONTROL

Modular 4K is an 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



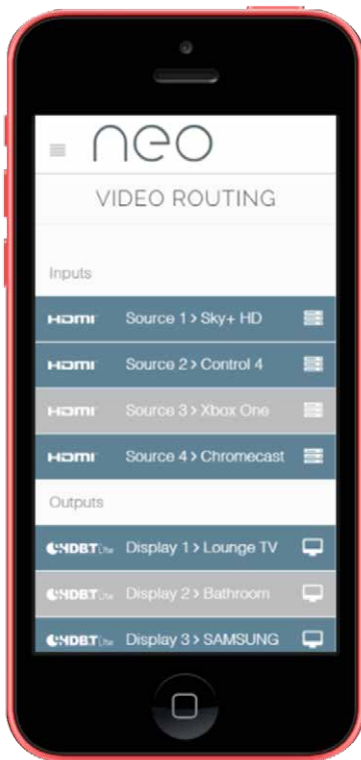
3 YEAR  
WARRANTY



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## KEY FEATURES

- Ultra HD 4K Video Transmission (upto 340Mhz), 1080p, 3D
- 8 x HDMI od HDBaseT Inputs
- 8 x HDBaseT Class A Outputs
- 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 from our own head office in the UK. We know and trust the build quality of our British-manufactured systems, allowing us to offer installers an attractive three year worldwide warranty package.

## 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.

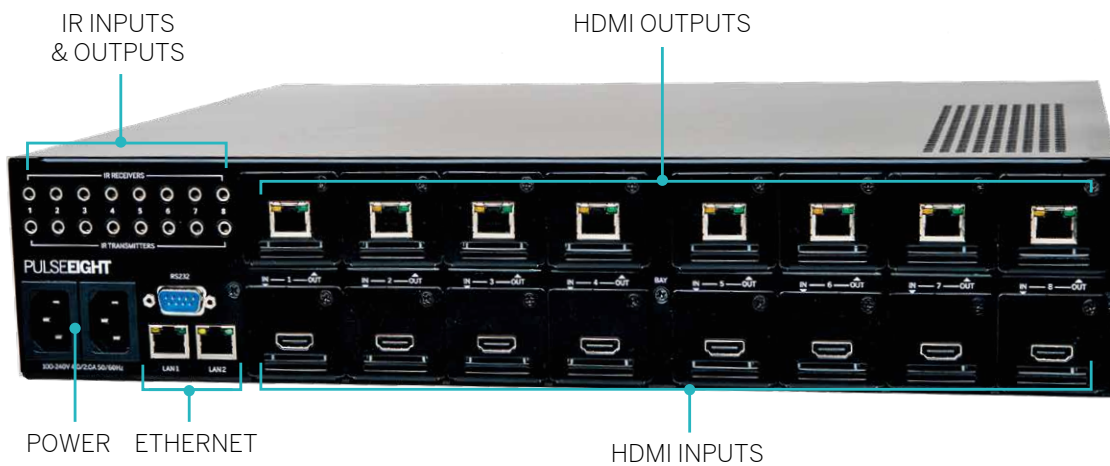
## CEC CONTROL

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.





## 8X8 MODULAR MATRIX

Input	Up to 8x HDMI, 8x IR Receiver
Output	Up to 8x RJ45, 8x IR Emitter
Dimensions	(W) 43 cm / (H) 8.9 cm / (D) 41 cm
Weight	7.3 kg

## HDBaseT RECEIVERS

Choice of Lite (70m) or Pro (100m)

Input	1x RJ45
Output	1x HDMI



## MODULES

### HDMI RECEIVER MODULE

Output	1x HDMI
Dimensions	(W) 3.8 cm / (H) 3.8 cm / (D) 15 cm
Weight	0.110 kg

### HDBaseT LITE MODULE

Output	1x RJ45
Dimensions	(W) 3.8 cm / (H) 3.8 cm / (D) 15 cm
Weight	0.102 kg

### HDMI TRANSMITTER MODULE

Output	1x HDMI
Dimensions	(W) 3.8 cm / (H) 3.8 cm / (D) 15 cm
Weight	0.101 kg

### HDBaseT PRO MODULE

Output	1x RJ45
Dimensions	(W) 3.8 cm / (H) 3.8 cm / (D) 15 cm
Weight	0.102 kg

### HDMI 2.0a MODULE

Output	1x HDMI 2.0a
Dimensions	(W) 3.8 cm / (H) 3.8 cm / (D) 15 cm
Weight	0.098 kg

## 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>	2 x IEC C14 Inlet - 100-240V 4.0/2.0A 50/60Hz
<b>Power Consumption:</b>	Max 2Amps @ 240V
<b>Max Video Input:</b>	Up to 8 Input Modules - HDMI or HDBaseT Remote Source
<b>Clock Speed:</b>	Input: 340Mhz, Output: 340Mhz
<b>Max Video Output:</b>	Up to 8 input modules. HDMI, HDBaseT-Pro (Class A) or HDBaseT-Lite (Class B)
<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>	1080i , 1080p (30Hz) , 1080p (60Hz) , 3D (60Hz) , 4K (30Hz) 4:4:4 , 4K (60Hz) 4:2:0, 720p , UHD (30Hz) 4:4:4 , 720i , 3D 1080i (50Hz), UHD (30Hz) 4:4:4
<b>Supported Audio Formats:</b>	Dolby Digital 5.1 , Dolby Digital EX 6.1 , Dolby Digital Plus 7.1 , Dolby TrueHD 5.1, Dolby Digital 2.0 , 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, 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, LPCM 2.0, LPCM 5.1, LPCM 6.1, LPCM 7.1, PCM 2.0, 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
<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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