neo:X 8x10 HDBaseT Video & Audio Matrix

8 HDMI INPUTS | 8 HDBASET CLASS C OUTPUTS | 2 HDMI OUTPUTS | AUDIO MATRIX

ULTRA (Class C) Cat5e/6 Cable Performance Chart

						Cat5e cable **4K**			Cat6 cable **4K**					Cat5e/6 cable **HD**	
0m (0ft)	10m (32ft)	20m (65ft)	30m (98ft)	40m (131ft)	50m (164ft)	60m (197ft)	70m (230ft)	80m (262ft)	90m (295ft)	100m (328ft)	110m (360ft)	120m (393ft)	130m (427ft)	140m (459ft)	150m (492ft)

WORKS WITH ALEXA
With the neo Alexa skill on your Amazon Echo/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. All of this is free of charge with every matrix!

WEB INTERFACE
An end-user friendly interface including a remote that can simply be accessed via www.gotomymatrix.com in your browser, or download the Android app on any device connected to the same network.

libCEC
With CEC you can use your normal TV remote to control and select source devices. Being the world experts in CEC technology means we give you maximum control of your devices.

SET TOP BOX IP CONTROL
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.

BUILT IN BRITAIN
All of our matrix range is not only designed but manufactured and supported by ourselves, all from our 24,000 sq ft facility in Poole, Dorset in the UK.

3 YEAR WARRANTY
A standard 3 year warranty is included 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 warranty or extended 5 year warranty options.

KEY FEATURES

- Ultra HD 4K Video Transmission (upto 340Mhz), 1080p, 3D

- Supports 4K up to 100 meters

- Supports 1080p up to 150* meters

- 8 x HDMI Inputs

- 8 x HDBaseT Class B (Lite) Outputs

- 2x HDMI Outputs

- Amazon Alexa Voice Control

- libCEC for HDMI-CEC Bi-Directional Control

- Bi-Directional IR Control

- Set Top Box IP Control

- Responsive Web Interface

- DSC support - for HDR and 4K/60 4:4:4 , 8 bit or 4K/60 4:2:2, 1 2bit over HDBaseT™

- ARC (Audio Return Channel)

- Audio breakout of input sources

* 100 meters over Cat6 or 70 meters over Cat5e cable

KIT INCLUDES:

- neo:8 Chassis (3U size)
- 8x neo:Ultra PoH Receivers
- Country Specific Power Cord
- Power Supply
- 8x Infrared Blaster Cable Pack
- Rack Ears
- Context Sensitive 8 Button IR Remote
- Installation Guide

SKU:	P8-HDBT2-U-FFMJ810-KIT
HDMI Inputs:	8
HDBaseT Outputs:	8x HDBaseT Class C + DSC
HDMI Outputs:	2
Max HDBaseT Cable Distance 4K:	100 meters
Max HDBaseT Cable Distance 1080p:	150 meters
HDBaseT Recommended Cable:	Cat5e or greater (Cat5e up to 70m for 4K. Cat6 or greater will acheive full rated distances)
Colour Supported:	4K: 12bit, 1080p: 12bit
TMDS Clock Speed:	600Mhz
Max Bandwidth:	18Gbps
Encryption:	HDCP 1.4 and HDCP 2.2
3D Supported:	Up to 1080/24p - Frame packing/sequential (Blu-ray), Interlaced stereoscopic (satellite/cable broadcasts)
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
PoH (Power over HDBaseT):	8x neo:Ultra PoH Receivers Included
Infrared:	Bi-Directional
CEC Control:	Full
Voice Control:	Alexa
Set Top Box IP Control:	Yes
Monitoring:	Real Time Remote Monitoring Portal
ARC (Audio Return Channel):	Yes
DSC (Display Stream Compression):	Yes
Power Supply:	1 x IEC C14 Inlet - 100-240V 4.0/2.0A 50/60Hz
Power Consumption:	Max 2Amps @ 240V
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)
Material:	Brushed Aluminium (Anodised)
Product Dimensions:	44 x 13.2 x 31.6 cm (Matrix)
Product Weight:	4.83 kg (Matrix)
Operating Temp Range:	0 to +35°C (32 to +95°F)
Operating Humidity Range:	5 to 90% RH (no condensation)
Manufactured In:	Great Britain by Pulse-Eight
Certification:	CE, FCC, RoHS

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