

# neo

## 4X4 VIDEO MATRIX KIT



**EXTEND 1080P  
UP TO 70M**



**EXTEND 4K  
UP TO 40M**



**CLOUD  
MONITORING**



**6 VIDEO  
OUTPUTS**



**5 YEAR  
WARRANTY**

### TECHNICAL SPECIFICATIONS

**SKU:** P8-HDBT-L-FFMS44-22-KIT

**HDMI Inputs:** 4

**Audio Outputs:** 0

**HDBaseT Outputs:** 4x HDBaseT Class B (lite)

**HDMI Outputs:** 2 (Mirror)

**HDBaseT Recommended Cable:** Cat5e or greater

**Ethernet Passthrough:** No

**IR Control:** Bi-Directional

**HDMI-CEC Control:** Full

**Voice Control:** Yes - Alexa Skill

**Web Interface:** Yes + Android App available

**Monitoring:** Real Time Remote Monitoring Portal

**Automatic EDID Management:** Yes

**Third Party Control:** Yes - Drivers available

**ARC (Audio Return Channel):** No

**PoH:** Yes

**Encryption:** HDCP 1.4, HDCP 2.2 and HDCP 2.3

**Maximum Pixel Clock:** 340Mhz

**Maximum Bandwidth:** 10.2Gbps

**Maximum Video Resolution:** 4K@60Hz 4:2:0

**Colour Supported:** 4K: 8bit, 1080p: 12bit

**Power Consumption:** 120W

**Power Supply:** 48V @ 2.5Amps

**Material:** Brushed Aluminium (Anodised)

**Product Dimensions:** 44 x 4.3 x 14 cm - 1U (Matrix)

**Product Weight:** 1.15 kg (Matrix)

**Operating Temp Range:** 0 to +35°C (32 to +95°F)

**Storage Temp Range:** -20°C to 60°C (-4°F to 140°F)

**Humidity Range:** 5 to 90% RH (no condensation)

**Safety & Emissions:** UKCA, CE, FCC, RoHS

**Manufactured In:** Great Britain by Pulse-Eight

### KIT INCLUDES

neo:4 Chassis | 4x neo:Lite PoH Receivers

1x Infrared Blaster Cable Pack | Quick Start Guide

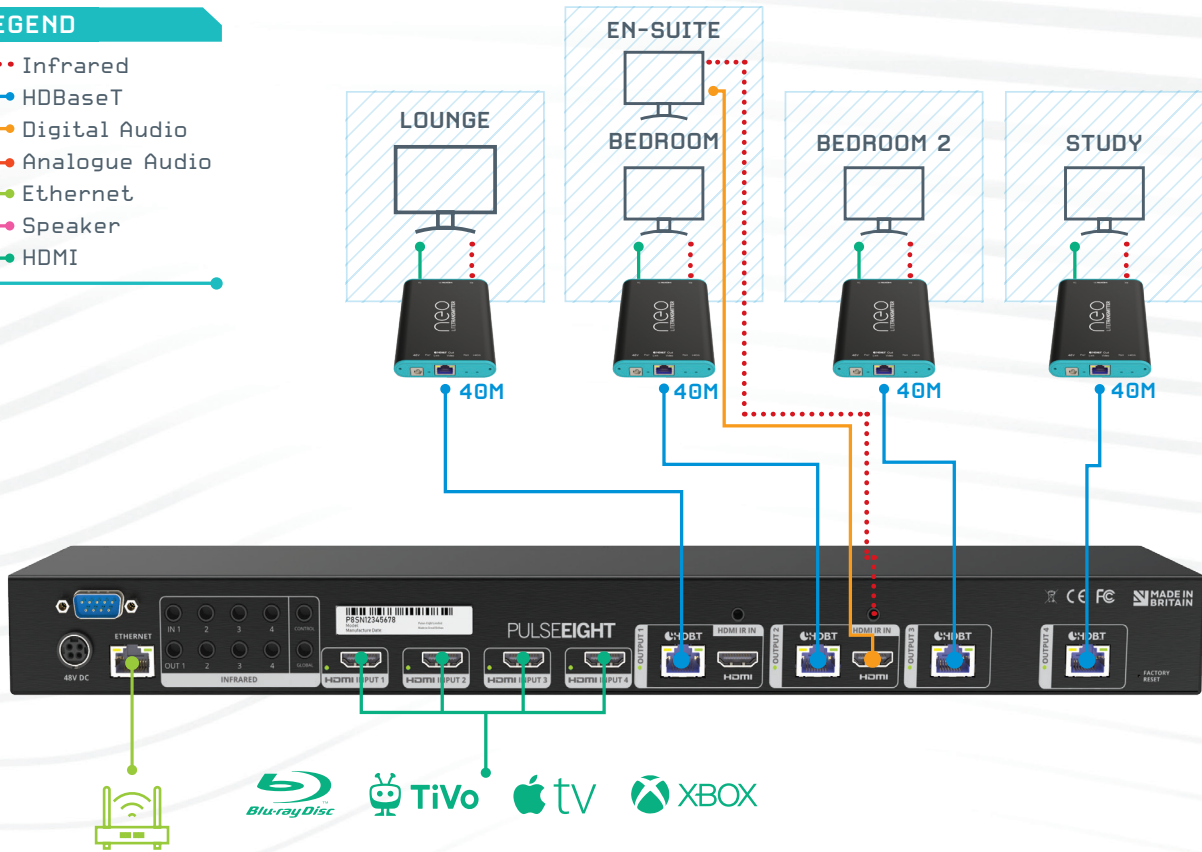
Country Specific Power Supply and Cord | Rack Ears



# CONCEPT WIRING DIAGRAM: neo:4

## LEGEND

- ..... Infrared
- HDBaseT
- Digital Audio
- Analogue Audio
- Ethernet
- Speaker
- HDMI



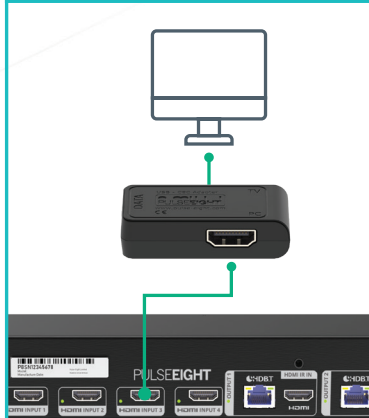
## SOLUTION 1



### SOURCE IN A ROOM

Use an additional neo:Lite HDMI Extender set to loop back to the matrix.

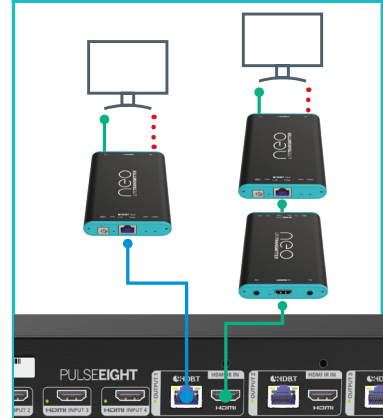
## SOLUTION 2



### HOME THEATRE PC

Add a USB-CEC Adapter between the matrix and the PC via a HDMI input.

## SOLUTION 3



### EXTRA ZONE

Use a HDMI mirror output with a neo:Lite Extender set (mirrored from the HDBaseT output).



## COMPATIBLE CONTROL SYSTEMS

**CRESTRON**  
SAVANT

CRESTRON HOME  
Control4

**ELAN**  
RTI