



## 4x4 HDBaseT CSC Matrix Kit - 70m

HMXL44CS-KIT

SKU: 128983    UPC: 9340240000000

Our Essential 4x4 HDBaseT™ Matrix offers unprecedented performance and value for the custom installation market.

The HMXL44CS-KIT is a HDMI 2.0 4K 60Hz 4:4:4 HDCP 2.2 Matrix package utilizing CSC technology to deliver HDMI, Bi-directional IR, RS-232 and PoC up to lengths of 70m over a single CAT cable.

The Matrix also provides advanced features including simultaneous HDBaseT™ / HDMI on output 1, video down conversion on HDBaseT™ output 1, audio breakout with pre-amp variable line-level control and a web browser interface module for control and configuration of the matrix.

The HMXL44CS-KIT is supplied with 4 x HEX70CS-RX receivers.

### Features

- Matrix Switcher with Audio De-Embedding
- 4 x HDMI Inputs, 4 x HDBaseT Outputs
- 4 x Analog & Coaxial Digital Outputs
- Down-Conversion on HDBaseT Output 1
- Supports up to UHD 4K60 4:4:4
- HDCP 2.2 Compliance & HDR Support
- Supports All Known HDMI Audio Formats
- Front-Panel/IR/RS-232/TCP/IP Control
- HDCP 2.2 Compliant
- Advanced EDID Management

Specifications Video Input Connectors: 4 x HDMI Type A, 19-pin, female Video Output Connectors: 1 x HDMI Type A, 19-pin, female, 4 x HDBaseT RJ45 connector Audio Output Connectors: 4 x 3.5mm stereo jack, 4 x RCA Coaxial Digital RS-232 Serial Port: 1 x DB-9, female, 4 x 3-pin Phoenix sockets for each zone (DB9 serial to Phoenix connector cables supplied) TCP/IP Control: 1 x RJ45, female IR Input Ports: 5 x 3.5mm stereo jack IR Output Ports: 4 x 3.5mm mono jack Rack-Mountable: 1U rack height, rack ears included Unit Dimensions (W x D x H): 440mm x 235mm x 44mm (without feet & connections) Unit Dimensions (W x D x H): 440mm x 245mm x 52mm (with feet & connections) Unit Weight: 2.98kg Box / Carton Dimensions (W x D x H): 505mm x 305mm x 155mm Shipping Weight: 7.5kg Operating Temperature: 32°F to 104°F (0°C to 40°C) Storage Temperature: -4°F to 140°F (-20°C to 60°C) Power Supply: 1 x 24V/3.5A DC Color Space Conversion (CSC) Technology in HDBaseT Due to the data rate of HDBaseT technology being capped at 10.2Gbps, it is unable to pass the latest native 4K UHD resolutions of 4K 60Hz 4:4:4. There is now a requirement to integrate video resolutions with data speeds up to 18Gbps across a multi-zone AV environment. Blustream have implemented CSC (Color Space Conversion) technology into our latest products to ensure 4K HDR signals can now be supported over the limited infrastructure of HDBaseT. Color Space Conversion reduces the data rate of the HDMI signal by converting the color space from 4:4:4 or 4:2:2 to a lower format. Within Color Space Conversion technology the native resolution and frame rate remain constant from end to end. The only part of the signal that is converted during transmission is the color. Blustream CSC products do not support HDR10+ or the dynamic variation of Dolby Vision due to the way these specific variations of dynamic HDR (dHDR) are encoded. These codecs transmit repeated metadata packets throughout the transmission of any media making it impossible at this stage to convert in the same way using CSC technology.