

# 10x10 HDMI HDBaseT™ Matrix

with Audio Matricing (4K, HDCP2.2, HDMI2.0, PoH, LAN, OAR, 100m)

PUV-1082-4K22



4K 3D HDMI2.0 HDBT 5Play HDCP2.2 PoH LAN OAR

The PUV-1082-4K22 HDMI/HDBaseT Matrix supports the transmission of video (resolutions up to 4K2K@60Hz, HDCP 2.2, HDMI2.0) and multi-channel digital audio from 10 HDMI sources to 8 HDBaseT outputs and 2 independent HDMI2.0 outputs. HDBaseT outputs allow transmission via a single CAT5e/6/7 cable up to 100m, whilst the independent HDMI outputs support cable lengths of up to 10m. This matrix supports high resolution digital audio formats such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus, Dolby Atmos and DTS-HD Master Audio as well as 3D video content.

This matrix incorporates an independent audio matrix with 14 audio outputs and 10 audio inputs. These outputs and inputs can also be used for de-embedding HDMI audio to the audio outputs and embedding audio to the HDBaseT and HDMI outputs. The audio CAT connections, along with compatible bi-directional audio modules (PU-305BD-RX & PU-305BDA-RX) allow integration

with remote sources and remote audio zones. In addition, volume, mute, treble, bass and audio lip-sync correction control are available on all direct audio outputs. Optical Audio Return (OAR) Technology allows the optical input on the PUV-1530RX receiver to be routed back to the audio matrix.

LAN connectivity provides a 100BaseT network for smart TVs or games consoles in every zone. The matrix has a built-in pattern generator which can be used to verify the video signal on any of its 10 output ports. The Power over HDBaseT (PoH) function provides power to compatible receivers.

Control is via manual selection buttons, IR, RS-232, Telnet or Web GUI. CYP provide control drivers for all the major control systems. This unit also supports RS232 pass-through to the receivers. The PUV-1082-4K22 is designed to be used with PUV-1530RX or PUV-1510RX receivers that can utilise the PoH and LAN capabilities of the matrix.

