CYP

8 x 8 HDMI HDBaseT Matrix

Out:ABCDEFGH
In:11111111

POWER   LOCK

HDMI

HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

HDBT® BaseT

Multi-room Matrix Solutions

Introduction

Our vision is simple, to deliver market leading connectivity solutions that enhance the capability of Audio Visual products in any installation environment. Our continued dedication and focus has made CYP a market leader in connectivity solutions for both systems integrators and professional AV installers throughout Europe.
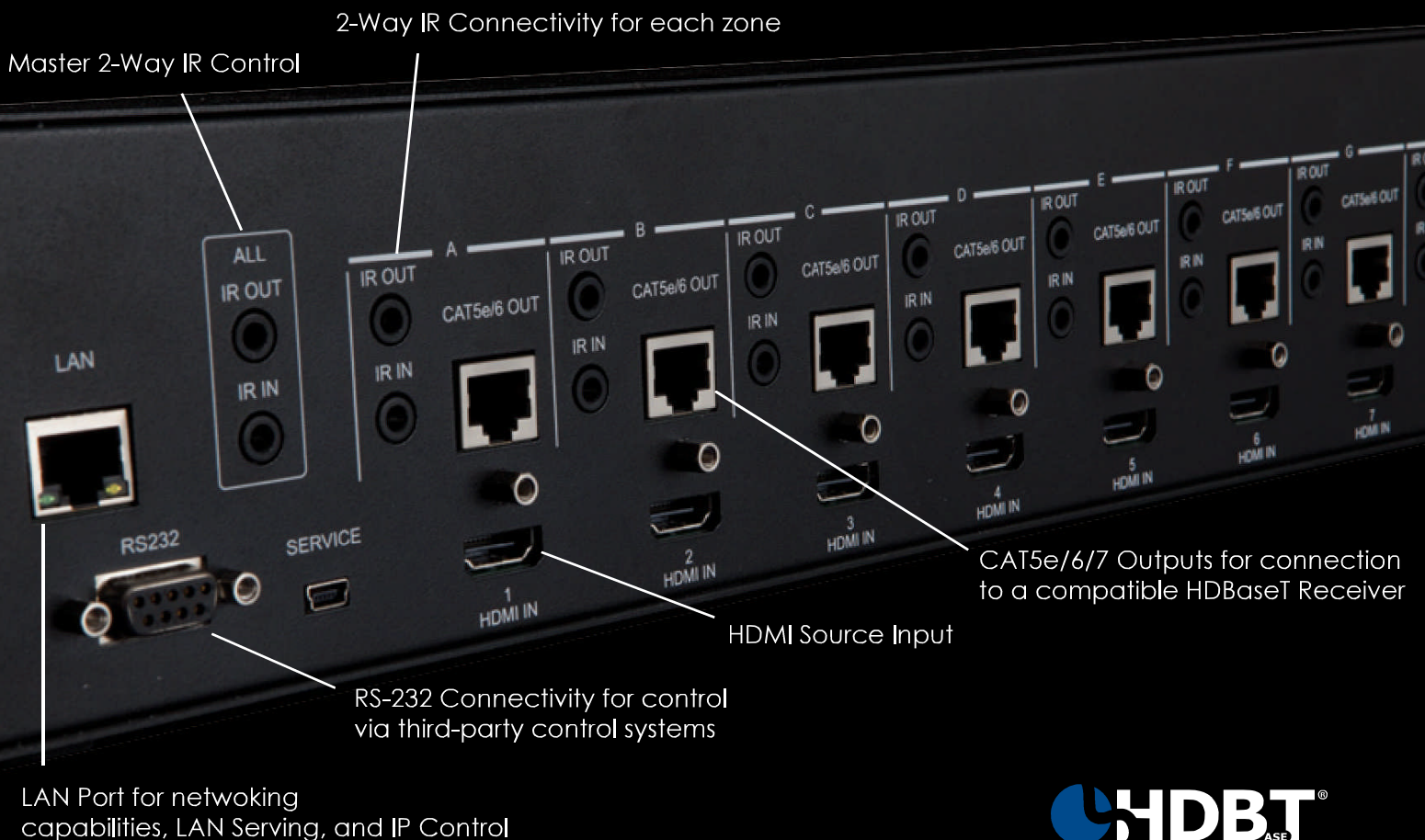
We are proud to now offer the most comprehensive range of multi-room HDMI and HDbaseT™ matrix solutions available on the market today. Within this brochure you will find detailed information about a host of matrix solutions that will suit any installation requirement and budget. All CYP products are designed and engineered to the highest industry standards and boast a vast array of advanced features:

- HDbaseT and HDbaseT Lite Matrix solutions

- Installer friendly EDID management settings for optimising system requirements

- RS-232 driver modules available for all major third party control systems

- IP control. Control selected CYP matrix solutions through any PC or hand held device

- Hot plug friendly. It's safe to hot swap HDMI and CAT cables at any stage without the need for any costly power cycle

All CYP matrix solutions are sold with our satisfaction guarantee*. If you are not completely satisfied with the performance of our products then they can be returned to us without question.   *Terms and conditions apply.

HDBaseT Matrix Connectivity

2-Way IR Connectivity for each zone

Master 2-Way IR Control

CAT5e/6/7 Outputs for connection to a compatible HDBaseT Receiver

HDMI Source Input

RS-232 Connectivity for control via third-party control systems

LAN Port for netwoking capabilities, LAN Serving, and IP Control

New Modular AV Matrix Solutions

NEW

Model Shown PU-16HBT

The NEW Modular matrix series from CYP offers new levels of flexibility and performance for installers. Incorporating HDBaseT™, HDMI, DVI and VGA (coming soon), installers will be able to select the required input and outputs modules specifically required for an installation.

Available in 8x8 (2U), 16x16 (3U) and 32x32 (4U) modular configurations, the possibilities for advanced distribution and control are endless.

The modular matrix range will incorporate standard models based on popular demand and in addition offer a complete bespoke service to produce any combination of input and output signals required by a professional installer or integrator.

Model No.	Description
PU-16HBT	16 x 16 HDMI HDBaseT™ Matrix (to be used with PU-506RX)
PU-8H16HBT	8 x 16 HDMI HDBaseT™ 4Play™ Matrix (to be used with PU-506RX)
OR-HD16S	16 x 16 Modular HDMI Matrix
OR-DVI16S	16 x 16 Modular DVI Matrix

- HDMI, HDCP, and DVI Compliant
- Customise your matrix with modular Input & Output boards to suit the installation environment.
- Integrated internal power supplys included (16x16 and 32x32)
- I/O Modules available include: HDMI, DVI-D, HDBaseT™ & VGA
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM (excluding DVI).
- Common supported resolutions: 480i to 1080p24, and VGA to WUXGA.

- Supports HDMI input up to 15m 1080p 8bit or 10m 1080p 12bit.
- Installer friendly EDID management settings for optimising system configurations.
- Supports RS-232, Telnet, and IP Controls.
- Supports additional IR Control via a master (ALL) Input/Output.
- Additional DVI output for local display
- Supports 3D signals

Multi-room Zone Accessories

NEW

AU-A300

Integrated 2 Channel Zone Amplifier - perfect for providing high quality audio distribution into remote AV zones within any multi-room installation

QU-12S

HDMI 1 to 2 Distribution Amplifier - simultaneously mirror any HDMI zone output using this 2-way splitter

SY-298H

HDMI to HDMI Up & Down Scaler - downscale any HDMI zone for connection to smaller, lower resolution screens whilst maintaining full 1080p resolutions to all other zones.

AU-11CA

HDMI Audio Embedder with built in repeater - allows you to embed digital or analogue audio into a HDMI signal path. Perfect for adding audio into any zone whilst repeating the original HDMI video signal.

NEW

AU-11HB

Audio Only Source to HDMI Bridge - perfect for integrating audio only sources into the HDMI signal path for distributing audio to any matrix zone.

PU-8H8HBTE
8x8 HDMI HDBaseT™ Matrix (5-Play including LAN serving)

Compatible with PU-1109RX/PU-507RX/PU-506RX

As the Flagship 8x8 HDBaseT™ Matrix, the PU-8H8HBTE solution offers complete HDBaseT™ 5-Play™ convergence. Installers can switch and distribute up to 8 HDMI sources, LAN (Local Area Network), 2-Way IR, and PoE (Power over Ethernet) to lengths of up to 100m using CAT5e/6/7 cable infrastructure. Control of the matrix is via IP control, RS-232, IR remote, or manual selection buttons. This single box solution will enable an installer to confidently integrate an eight zone multi-room AV system. The PU-8H8HBTE is designed to be used with the PU-507RX Receiver which can utilise PoE capabilities of the matrix.

Use the LAN serving capabilities of the matrix to add internet connectivity to every zone. In addition, this matrix also features IP control allowing users to access and control the matrix remotely and also allow additional options for integration of third-party control systems. CYP provide control drivers for control systems such as Control 4, RTI, Crestron, AMX, Control FX, and RTI. These are available at no extra cost.

- Supports all v1.4 HDMI resolutions
- Supports uncompressed video/audio up to 10.2Gbps
- Common supported resolutions:
  HDTV: 480p, 576p, 720p, 1080i, 1080p, 1080p24
  PC: VGA, SVGA, XGA, WXGA, SXGA, UXGA, WUXGA
- HDMI, HDCP and DVI compliant
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM (up to 192kHz)
- Uncompressed data transfer over single CAT cable (100m - CAT6/7; 80m - CAT5e)
- Supports third-party control systems, with drivers available for: Control FX, AMX, Crestron, RTI, Control 4

- Supports HDMI input up to 15m 1080p 8bit or 10m 1080p 12bit.
- Supports RS-232, 2-Way IR, Manual Selection Buttons, and HDMI CEC control pass through
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Compact 2U Rack mount design
- Supports 3D signals
- Supports additional IR Control via a master (ALL) Input/Output
- Supports LAN serving to all connected zones
- Supports full IP control

PU-8H8HBTL
8x8 HDMI HDBaseT™ Lite Matrix

Compatible with PU-514L-RX

TThe PU-8H8HBTL is an 8x8 HDMI HDBaseT™ Lite Matrix. Installers can switch and distribute up to 8 HDMI sources, and 2-Way IR to lengths of up to 60m using CAT5e/6/7 cable infrastructure. Control of the matrix is via IP, RS-232, IR remote, or manual selection buttons. This single box solution will enable an installer to confidently integrate an eight zone multi-room AV system. The PU-8H8HBTL is designed to be used with the PU-514L-RX Receiver which enables the use of 2-Way IR control feature.

- Supports all v1.4 HDMI resolutions
- Supports uncompressed video/audio up to 10.2Gbps
- Common supported resolutions:
  HDTV: 480p, 576p, 720p, 1080i, 1080p, 1080p24
  PC: VGA, SVGA, XGA, WXGA, SXGA, UXGA, WUXGA.
- HDMI, HDCP and DVI compliant
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM (up to 192kHz)
- Uncompressed data transfer over single CAT cable (60m - CAT5e/6/7)

- Supports HDMI input up to 15m 1080p 8bit or 10m 1080p 12bit.
- Supports RS-232, 2-Way IR, Manual Selection Buttons, and HDMI CEC control pass through
- Selectable EDID settings - TV (downstream) and STD (fixed).
- Compact 2U Rack mount design
- Supports IP control
- Supports 3D signals

OR-HD88S
8x8 HDMI Matrix Switcher

The OR-HD88S Matrix Switcher connects eight HDMI sources to eight displays allowing any source to be independently displayed on any screen. This matrix switcher can be controlled via the supplied IR Remote Control, RS-232, or by using the selection buttons on the front of the unit. This device supports 'Deep Colour', High Definition Audio, and 3D signal compatibility.

- HDMI, HDCP 1.1, DVI 1.0 compliant
- HDMI 8x8 Matrix Switcher
- Resolutions supported: PC – VGA to WUXGA ; HDTV – 480i to 1080p plus 1080p24fps
- High Definition audio supported: Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio + LPCM
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal running up to 15m at 1080p
- Supports Audio sample rate up to 192kHz 24bit
- RS-232, CEC Command functionality, IR Remote Control, and IR extender supported
- Selectable EDID settings – TV (downstream) and STD (fixed)
- Supports Deep Colour (10 & 12 bit)
- 2U Rack Mount design
- Supports 3D signals
- Key lock function

OR-HD88HC
v1.4 HDMI 8x8 Matrix Switcher with simultaneous HDMI & CAT Outputs (inc. IR)

Compatible with PU-1106RX

The OR-HD88HC Matrix Switcher connects eight HDMI sources to 16 displays. This matrix features 8 HDMI outputs and each HDMI output is mirrored to provide a Twin CAT output which runs simultaneously. Connect a PU-1106RX Receiver to each of the Twin CAT outputs to extend the HDMI signal up to 45m for multi-room connectivity.This matrix switcher can be controlled via the supplied IR Remote Control, RS-232, or by using the selection buttons on the front of the unit. This device supports 'Deep Colour', High Definition Audio, and 3D signal compatibility.

- HDMI, HDCP 1.1, DVI 1.0 compliant
- Resolutions supported: PC – VGA to WUXGA ; HDTV – 480i to 1080p plus 1080p24fps
- High Definition audio supported: Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio and LPCM
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal running up to 15m at 1080p
- RS-232, CEC Command functionality, IR Remote Control, and IR extender supported
- Selectable EDID settings – TV (downstream) and STD (fixed)
- Supports Deep Colour (10 & 12 bit)
- Supports 3D signals
- Key lock function

PU-424HBTE
4x4 HDMI HDBaseT™ Matrix (5-Play including LAN serving)

3D READY | **HDMI** HIGH-DEFINITION MULTIMEDIA INTERFACE | **HDBT** BASE | **5Play™** | Compatible with PU-1109RX/PU-507RX/PU-506RX

This 4 by 4 HDMI HDBaseT™ Matrix with two additional simultaneous HDMI outputs supports the transmission of video (resolutions up to 1080p Full HD and 1920x1200@60Hz), multi-channel digital audio and control via IR, RS-232 or Web GUI/Telnet IP from four high definition sources to four HDBaseT outputs over a single CAT5e/6/7 cable (up to 100m) for each output. Output A and C have additional mirrored HDMI outputs, for added installation flexibility.

The PU-424HBTE is designed to be used with the PU-507-RX Receiver which can utilise PoE capabilities of the matrix.

Use the LAN serving capabilities of the matrix to add internet connectivity to every zone. In addition, this matrix also features IP control allowing users to access and control the matrix remotely and also allow additional options for integration of third-party control systems. CYP provide control drivers for control systems such as Control 4, RTI, Crestron, AMX, Control FX, and RTI. These are available at no extra cost.

- Supports all v1.3 HDMI resolutions
- Supports uncompressed video/audio up to 10.2Gbps
- Common supported resolutions: HDTV: 480p, 576p, 720p, 1080i, 1080p, 1080p24; PC: VGA, SVGA, XGA, WXGA, SXGA, UXGA, WUXGA.
- HDMI, HDCP and DVI complaint
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio and LPCM (up to 192kHz)
- Uncompressed data transfer over single CAT cable (100m - CAT6/7; 80m - CAT5e)
- Supports third-party control systems, with drivers available for: Control FX, AMX, Crestron, RTI, Control 4

- Supports HDMI input up to 15m 1080p 8bit or 10m 1080p 12bit.
- Supports RS-232, 2-Way IR, Manual Selection Buttons, and HDMI CEC control pass through
- Selectable EDID settings – TV (downstream) and STD (fixed)
- Compact 1U Rack mount design
- Supports 3D signals
- Supports additional IR Control via a master (ALL) Input/Output
- Supports LAN serving to all connected zones
- Supports full IP control

PU-424HBTL
4x4 HDMI HDBaseT™ Lite Matrix

3D READY | **HDMI** HIGH-DEFINITION MULTIMEDIA INTERFACE | **HDBT** BASE | Compatible with PU-514L-RX

This 4 by 4 HDMI HDBaseT™ Lite Matrix with two additional simultaneous HDMI outputs supports the transmission of video (resolutions up to 1080p Full HD and 1920x1200@60Hz), multi-channel digital audio, and control via IR, RS-232, or Web GUI/Telnet IP, from four high definition sources to four HDBaseT outputs over a single CAT5e/6/7 cable (up to 60m) for each output. Output A and C have additional mirrored HDMI outputs, for added installation flexibility.

The PU-424HBTL is designed to be used with the PU-514L-RX Receiver which can utilise the 2-way IR control capabilities of the matrix.

Use the IP control feature to enable users to access and control the matrix remotely and also allow additional options for integration of third-party control systems. CYP provide control drivers for control systems such as Control 4, RTI, Crestron, AMX, Control FX, and RTI. These are available at no extra cost.

- Supports all v1.3 HDMI resolutions
- Supports uncompressed video/audio up to 10.2Gbps
- Common supported resolutions:
  HDTV: 480p, 576p, 720p, 1080i, 1080p, 1080p24
  PC: VGA, SVGA, XGA, WXGA, SXGA, UXGA, WUXGA.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM (up to 192kHz)
- Uncompressed data transfer over single CAT cable (60m - CAT5e/6/7)

- Supports HDMI input up to 15m 1080p 8bit or 10m 1080p 12bit.
- Supports RS-232, 2-Way IR, Manual Selection Buttons, and HDMI CEC control pass through
- Selectable EDID settings – TV (downstream) and STD (fixed)
- Compact 1U Rack mount design
- Supports 3D signals
- Supports additional IR Control via a master (ALL) Input/Output
- Supports full IP control

PU-44XL-KIT NEW - EXPRESS INSTALLATION KIT

4x4 HDBaseT™ LITE Matrix with PU-514L-RX Receivers

This 4 by 4 HDMI HDBaseT Lite Matrix Express Installation Kit has been developed as a robust and cost effective solution at the heart of any four zone multi-room environment. Supplied complete with a HDBaseT Lite Matrix plus four PU-514L-RX receivers, the kit enables an installer to easily and confidently configure a 4-zone multi-room AV system using HDBaseT Lite technology and distribute content throughout the system over a Single CAT5e/6/7 cable infrastructure.

The Express Install Kit supports the transmission of video (resolutions up to 1080p Full HD and 1920x1200@60Hz), multi-channel digital audio, and control via IR, RS-232, or Web GUI/ Telnet IP, from four high definition sources to four HDBaseT outputs over a single CAT5e/6/7 cable (up to 60m) for each output.

The PU-44XL-KIT is supplied with 4x PU-514L-RX receivers which utilise the 2-way IR control capabilities of the matrix.

Use the IP control feature to enable users to access and control the matrix remotely and also allow additional options for integration of third-party control systems. CYP provide control drivers for control systems such as Control 4, RTI, Crestron, AMX, Control FX, and Demopad. These are available at no extra cost.

HDMI® ⊙HDBT® HIGH-DEFINITION MULTIMEDIA INTERFACE
Compatible with PU-514L-RX

- Supports all v1.3 HDMI resolutions
- Supports uncompressed video/audio up to 10.2Gbps
- Common supported resolutions: HDTV: 480p, 576p, 720p, 1080i, 1080p, 1080p24; PC: VGA, SVGA, XGA, WXGA, SXGA, UXGA, WUXGA
- HDMI, HDCP and DVI complaint
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM (up to 192kHz)
- Uncompressed data transfer over single CAT cable (60m-CAT5e/6/7)
- Supports third-party control systems, with drivers available for: Control FX, AMX, Crestron, RTI, Control 4

- Supports HDMI input up to 15m 1080p 8bit or 10m 1080p 12bit.
- Supports RS-232, 2-Way IR, Manual Selection Buttons, and HDMI CEC control pass through
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Compact 1U Rack mount design
- Supports 3D signals
- Supports additional IR Control via a master (ALL) Input/Output
- Supports full IP control
- Supplied with 4x PU-514L-RX receivers

PU-O4H4C

v1.3 HDMI 4x4 Matrix with HDMI over CAT6 outputs

The PU-O4H4C HDMI matrix has 4 HDMI input and 4 CAT5e/6 transmitter outputs up to 40m. Each of the four HDMI sources can be directed to any one of the four CAT outputs, so each display can show the same or a different source. This unit requires pairing with CYP PU-1106RX receivers to convert each of the outputs back to HDMI for connection to the display. The PU-O products within the PUMA range combine HDMI over CAT5e/6 (PUMA) and HDMI Matrix switcher (ORBIT) to provide versatility to HDMI installations.

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE
Compatible with PU-1106RX

- v1.3 HDMI, HDCP 1.1, DVI 1.0 compliant
- HDMI 4x4 Matrix with built in HDMI over CAT5e/6 transmitter outputs
- Resolutions supported: PC - VGA to UXGA ; HDTV - 480i to 1080p and 1080p24fps
- High Definition audio supported: Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio and LPCM
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal

- RS-232 and IR remote control, plus IR extender
- Supports Deep Colour (10/12 bit)
- Selectable EDID settings - TV (downstream) and STD (fixed)
- LED indicators
- Supports xvYCC
- Supports 3D signals

OR-HD44S

v1.3 HDMI 4x4 Matrix Switcher

The OR-HD44S Matrix Switcher connects four HDMI sources to four displays allowing any source to be independently displayed on any screen. This matrix switcher can be controlled via the supplied remote control, RS-232, or by using the input switching buttons on the front of the device. This device is compatible to v1.3 HDMI specifications, supporting 'Deep Colour', High Definition Audio, and 3D signal compatibility.

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 4 x 4 Matrix Switcher
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal

- Supports IR remote control and IR extender together with RS-232 control
- Supports 'Deep Colour' (10 & 12 bit)
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Power, HDMI/DVI & HDCP plus independent output LED's indicator
- Supports 3D signals

HDBaseT™ Receivers

PU-1109RX
HDBaseT™ Receiver

The PU-1109RX Receiver features 5-Play™ HDBaseT™ technology. This will allow the user to distribute uncompressed HDMI, 2-Way IR, 2-Way RS-232, PoE and 3 individual LAN connections over a Single CAT5e/6/7 cable.

- 5-Play™ convergence: HDMI, LAN, POE & Control (IR & RS232)
- Uncompressed data transfer over single CAT cable (100m - CAT6/7; 80m - CAT5e)

PU-507RX
HDBaseT™ Receiver

The PU-507-RX Receiver allows uncompressed HDMI signals and IP data to be received over a Single CAT5e/6/7 cable.

- 5-Play™ convergence: HDMI, LAN, POE & Control (IR & RS232)
- Uncompressed data transfer over single CAT cable (100m - CAT6/7; 80m - CAT5e)

PU-507WPRX
HDBaseT™ WallPlate Receiver

The PU-507-WPRX Wall Plate Receiver allows uncompressed HDMI signals and IP data to be received over a Single CAT5e/6/7 cable

- 5-Play™ convergence: HDMI, LAN, POE & Control (IR & RS232)
- Uncompressed data transfer over single CAT cable (100m - CAT6/7; 80m - CAT5e)

PU-506RX
HDBaseT™ Receiver

The PU-506-RX allows uncompressed HDMI signals to be received over a Single CAT5e/6/7 cable Transmitter.

- 3-Play™ convergence: HDMI, RS-232 and 2-way IR
- Uncompressed data transfer over single CAT cable (100m - CAT6/7; 80m - CAT5e)

PU-514L-RX
HDBaseT™ LITE Receiver

The PU-514L-RX is a Receiver Unit designed to allow uncompressed HDMI, and 2-way IR signals to be received via a Single CAT5e/6/7 cable to distances of up to 60m.

- Supports 2-way IR
- Uncompressed data transfer over single CAT cable up to 60m

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