



## PU-507TX/PU-507RX

5Play™ HDBaseT1 (100m) Transmitter & Receiver with LAN & PoC



The PU-507TX Transmitter allows uncompressed HDMI signals and IP data to be transmitted over a Single CAT5e/6/7 cable. This device features full 5-Play convergence allowing the distribution of Video, Audio, LAN serving, Power over Ethernet (PoC), RS-232 and 2-way IR control functionality over the same CAT5e/6/7 cable. These combined HDMI and control signals can be transmitted up to lengths of 100 metres.

### TX PANELS



Front View



Rear View

### RX PANELS

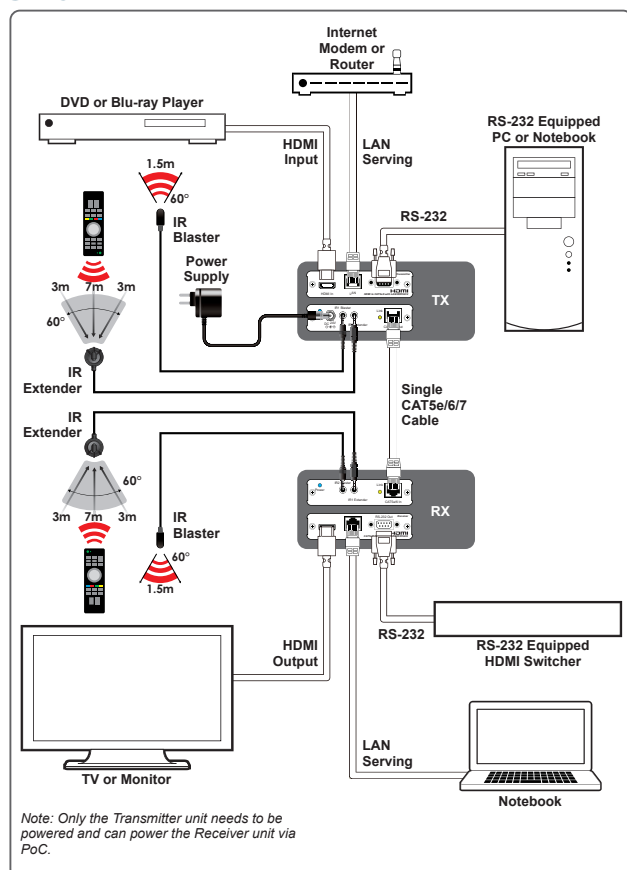


Front View



Rear View

### DIAGRAM



### FEATURES

- HDCP 2.2 Compliant
- Supports all v1.4 HDMI resolutions plus 4k.
- Supports uncompressed video/audio up to 10.2Gbps
- Supports resolutions VGA~WUXGA, 480i~1080p, 4K UHD@24/25/30Hz (RGB 4:4:4 & YUV 4:2:2), 4K UHD@ 60Hz (YUV 4:2:0), 4K/2K@24/25/30Hz (RGB 4:4:4 & YUV 4:2:2) and 4K/2K@ 60Hz (YUV 4:2:0) dependent upon the output display's EDID settings
- HDMI, HDCP, & DVI compliant
- Supports HDCP repeating and CEC functions
- 4K/2K & 4K UHD signals can be transmitted up to 70m via CAT5e/6 and 100m via CAT6a/7
- 1080p signals can be transmitted up to 100m via CAT5e/6/6a/7
- Uncompressed video 1080p, 60Hz, 48bits
- Audio support up to 7.1CH & Dolby TrueHD, DTS-HD
- 5-Play™ convergence: HDMI, LAN, POE & Control (IR & RS232)
- Supports 3D signals

### SPECIFICATIONS

#### Interfaces

|             |                                                                                                                                                              |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input Port  | 1 HDMI (Type-A) (TX), 1 RJ45 (RX)                                                                                                                            |
| Output Port | 1 HDBT(RJ45) (TX), 1 HDMI (RX)                                                                                                                               |
| Control I/O | 1 IR Extender [3.5mm] (both TX and RX)<br>1 IR Blaster [3.5mm] (both TX and RX)<br>1 RS232 DE-9 (female on TX, male on RX)<br>1 LAN (RJ-45) (both TX and RX) |

#### Video

|                     |                           |
|---------------------|---------------------------|
| HDMI Compliance     | 1.x                       |
| HDCP Compliance     | 1.x                       |
| Input Signal Types  | HDMI 4K@60 8bit YUV 4:2:0 |
| Output Signal Types | HDBT 4K@60 8bit YUV 4:2:0 |

#### Resolutions

|                |      |                         |
|----------------|------|-------------------------|
| Maximum Input  | HDMI | 4096×2160p@60 YUV 4:2:0 |
| Maximum Output | HDBT | 4096×2160p@60 YUV 4:2:0 |

#### Audio

|      |                                                          |
|------|----------------------------------------------------------|
| HDMI | LPCM (8 Channels), Bitstream,<br>High Bit Rate Bitstream |
| HDBT | LPCM (8 Channels), Bitstream,<br>High Bit Rate Bitstream |

#### Power

|                   |                 |
|-------------------|-----------------|
| Power Supply      | 24V/1.25A       |
| Power Consumption | 13W (Full load) |

#### Enclosure

|                    |                                                                          |
|--------------------|--------------------------------------------------------------------------|
| Chassis Material   | Metal (Steel)                                                            |
| Chassis Colour     | Silver                                                                   |
| Dimensions (W×H×D) | 102 mm (W)×113 mm (D)×25 mm (H)/TX<br>102 mm (W)×107 mm (D)×25 mm (H)/RX |
| Weight             | 252 g/TX, 256 g/RX                                                       |

### ORDERING INFORMATION

| Model No. | Product Description                               |
|-----------|---------------------------------------------------|
| PU-507TX  | 5Play™ HDBaseT1 (100m) Transmitter with LAN & PoC |
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