

CH-2537TXWPEU

UHD⁺ 3x1 HDMI/VGA to HDBaseT Switcher with Event Automation (EU 2-Gang)



This HDBaseT Wall Plate Switchers with signal management is an HDMI and VGA switches with audio embedding and HDBaseT output. The Wall Plate is designed for use with EU two-gang sized enclosures. This Transmitters can send uncompressed high-definition video/audio over a single cable up to a distance of 100 meters at 1080p@60Hz. The HDMI input(s) support resolutions up to 4K@60Hz (4:4:4, 8-bit) and the VGA input supports resolutions up to WUXGA (RB). With the use of the 3.5mm audio input, stereo audio may be embedded with VGA or DVI sources as well. Despite HDBaseT's 10.2Gbps bandwidth limitation, high bandwidth 4K UHD HDMI video sources, up to and including 4K@60Hz (4:4:4, 8-bit), can be supported and will be automatically converted to 8-bit color, or the 4:2:0 color space when necessary.

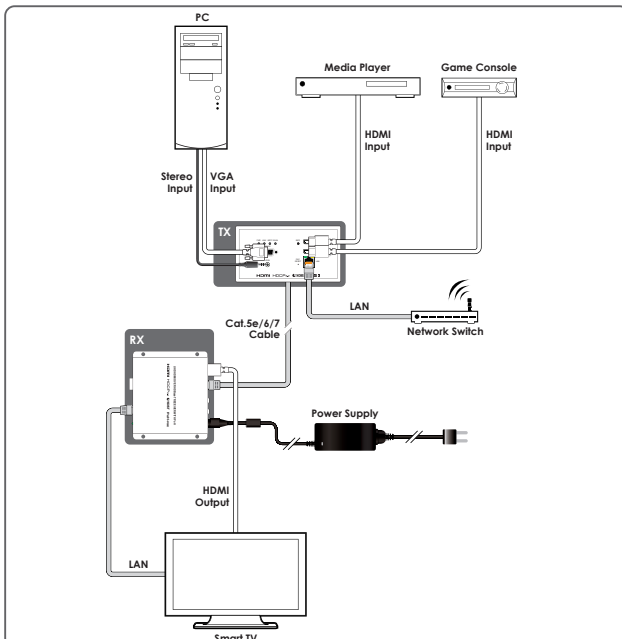
Signal management features such as automatic switching based on input signal and hot plug detection enable convenient hands-free operation. A multi-function button on the face of the unit provides access to an information OSD as well as allowing manual input selection. Additional functionality such as EDID management, HDCP management and basic signal event automation which can send customized RS-232 or CEC commands to external devices automatically is also available.

This Transmitter may be powered locally or via 48V PoH from a compatible HDBaseT Receiver (PSE), which allows for greater flexibility in installations. The units can be controlled via the front panel button with OSD, WebGUI, and Telnet. When paired with a compatible Receiver RS-232 control also becomes available making them exceptionally versatile.

PANELS



DIAGRAM



FEATURES

- Supports CEC bypass
- Supports Auto Source Switching
- Front panel push button control
- Front panel LEDs to indicate input selection, link status and power
- HDBaseT feature support: HD Video and Audio, 100BaseT Ethernet, and 48V PoH (PD)
- HDBaseT output transmits video, audio and data over a single Cat.5e/6/7 cable and can reach distances up to 100m/328ft at 4K when using Cat.6a/7
- Supports manual input selection or automatic input selection with hot plug detection
- Basic signal event automation (via RS-232 or CEC w/ compatible Receiver)
- Front panel LEDs indicate HDCP mode, input source, link state, and power
- Unit may be powered via 48V PoH from a compatible HDBaseT Receiver
- Controllable via a multi-function front panel button with OSD, or via WebGUI, Telnet, and RS-232 (w/ compatible Receiver only)

SPECIFICATIONS

Interfaces

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|---------------------|--------------------------------------------------|
| Input Port | 2 x HDMI 1 x VGA 1 x Analog Stereo (3.5mm) |
| Output Port | 1 x Cat.5e/6/7 (RJ-45) |
| Control I/O | 1 x LAN (RJ-45) |
| Service Port | 1 x USB (Type-A) |

Video

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|---------------------------|----------------------|
| HDMI Compliance | 2.0 |
| HDCP Compliance | 2.2 |
| Input Signal Type | HDMI 4K@60 YUV 4:4:4 |
| Output Signal Type | Cat5./6/7 4K@30 |

Resolutions

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|-----------------------|----------------------------------------|
| Maximum Input | HDMI 4096x2160p@60 VGA 1920x1200@60 |
| Maximum Output | Cat5e/6/7 4096x2160p@30 |

Power

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|--------------------------|-------------------|
| Power Supply | POH or DC 12V/ 3A |
| Power Consumption | 22.9W |

Enclosure

| | |
|---------------------------|--------------------------------------------------------------------|
| Chassis Material | Metal (Steel) |
| Chassis Color | Black |
| Dimensions (WxHxD) | 152mmx 81mmx 42mm [Case Only] 152mmx 81mmx 53mm [All Inclusive] |
| Weight | 250g |

ORDERING INFORMATION

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|------------------|-----------------------------------------------------------------|
| Model No. | Product Description |
| CH-2527RX | UHD HDMI over HDBaseT Receiver with IR, RS-232, LAN & PoH (PSE) |