

CH-2527TX

4K60 (4:2:0) HDMI over HDBaseT Transmitter with IR, RS-232, PoH (PD) & LAN



INTRODUCTION

This Transmitter is a great solution for extending uncompressed HD audio and video as well as Ethernet and control via a single run of Cat.5e/6/7 cable over distances of up to 100 meters. Multiple data and control interfaces are provided, including IR, RS-232 and LAN connections. This Transmitter complies with the advanced HDCP 2.2 and HDMI 2.0 standards, as well as supporting the legacy HDCP 1.x and HDMI 1.x standards. This Transmitter (PD) is powered by 48V PoH (Power over HDBaseT) from a compatible Receiver (PSE), allowing for greater flexibility within different installation scenarios.

FEATURES

- HDMI with 3D & 4K support, DVI 1.0 compatible
- HDCP 2.2 and HDCP 1.x compliant
- Supports resolutions up to 4K@50/60Hz (4:2:0, 8-bit)
- Supports CEC bypass
- Simultaneous transmission of uncompressed video, audio and data over a single Cat.5e/6/7 cable up to 100m/328ft at 1080p and 70m/230ft at 4K
- HDBaseT feature support: HD Video and Audio, 100BaseT Ethernet, 48V PoH, and Control (bidirectional IR/RS-232 pass-through)
- Powered by standard 48V PoH from Receiver (PSE) to Transmitter (PD) (compatible Receivers only)



The specifications and features listed for pre-release hardware is subject to change.

CH-2527RX

4K60 (4:2:0) HDMI over HDBaseT Receiver with IR, RS-232, PoH (PSE) & LAN



INTRODUCTION

This Receiver is a great solution for extending uncompressed HD audio and video as well as Ethernet and control via a single run of Cat.5e/6/7 cable over distances of up to 100 meters. Multiple data and control interfaces are provided, including IR, RS-232 and LAN connections. This Receiver complies with the advanced HDCP 2.2 and HDMI 2.0 standards, as well as supporting the legacy HDCP 1.x and HDMI 1.x standards. This Receiver (PSE) can provide 48V PoH (Power over HDBaseT) to a compatible Transmitter (PD), allowing for greater flexibility within different installation scenarios.

FEATURES

- HDMI with 3D & 4K support, DVI 1.0 compatible
- HDCP 2.2 and HDCP 1.x compliant
- Supports resolutions up to 4K@50/60Hz (4:2:0, 8-bit)
- Supports CEC bypass
- Simultaneous transmission of uncompressed video, audio and data over a single Cat.5e/6/7 cable up to 100m/328ft at 1080p and 70m/230ft at 4K
- HDBaseT feature support: HD Video and Audio, 100BaseT Ethernet, 48V PoH, and Control (bidirectional IR/RS-232 pass-through)
- Supports standard 48V PoH from Receiver (PSE) to Transmitter (PD) (compatible Transmitters only)



 For more information, go to www.cypress.com.tw

Standard HDBaseT 1.0 Extenders



SPECIFICATIONS	CH-1527TX	CH-2527TX	CH-1527RX	CH-2527RX
Input Port	1×HDMI	1×HDMI	1×HDBaseT (RJ45)	1×HDBaseT (RJ45)
Output Port	1×HDBaseT (RJ45)	1×HDBaseT (RJ45)	1×HDMI	1×HDMI
Pass-through Ports	1×IR Extender (3.5mm) 1×IR Blaster (3.5mm) 1×RS-232 (DE-9) 1×LAN (RJ45)	1×IR Extender (3.5mm) 1×IR Blaster (3.5mm) 1×RS-232 (DE-9) 1×LAN (RJ45)	1×IR Extender (3.5mm) 1×IR Blaster (3.5mm) 1×RS-232 (DE-9) 1×LAN (RJ45)	1×IR Extender (3.5mm) 1×IR Blaster (3.5mm) 1×RS-232 (DE-9) 1×LAN (RJ45)
Power Supply	48V/0.83A	PoH	PoH	48V/0.83A
Dimensions	128mm×25mm×108mm (W×H×D) [Case Only] 128mm×25mm×117mm (W×H×D) [All Inclusive]	128mm×25mm×108mm (W×H×D) [Case Only] 128mm×25mm×117mm (W×H×D) [All Inclusive]	128mm×25mm×108mm (W×H×D) [Case Only] 128mm×25mm×117mm (W×H×D) [All Inclusive]	128mm×25mm×108mm (W×H×D) [Case Only] 128mm×25mm×117mm (W×H×D) [All Inclusive]
Weight	370g	370g	366g	366g

Product Selection Guide

HDBaseT FEATURES	CH-1527TX	CH-1527TXPL	CH-2527TX	CH-2527TXPL	CH-1527RX	CH-1527RXPL	CH-2527RX	CH-2527RXPL
HD Video & Audio	✓	✓	✓	✓	✓	✓	✓	✓
IR/RS-232 pass-through	✓	✓	✓	✓	✓	✓	✓	✓
LAN pass-through	✓	-	✓	-	✓	-	✓	-
Send power to Receiver	✓	✓	-	-	-	-	-	-
Accept power from Receiver	-	-	✓	✓	-	-	-	-
Send power to Transmitter	-	-	-	-	-	-	✓	✓
Accept power from Transmitter	-	-	-	-	✓	✓	-	-
Cat.5e/6 Cable Length	100m@1080p 70m@4K	70m@1080p 35m@4K	100m@1080p 70m@4K	70m@1080p 35m@4K	100m@1080p 70m@4K	70m@1080p 35m@4K	100m@1080p 70m@4K	70m@1080p 35m@4K

AV, ETHERNET,
CONTROL & POWER

OVER A SINGLE
CAT. CABLE