



The HDBaseT™ HDMI over single CAT5e/6 with bidirectional IR, RS-232 & PoE Transmitter and Receiver set can make your home or office setup more efficient and easy to use. Uncompressed video and audio can be transmitted up to 60 meters with the PoE function and added benefit of controls through the built-in RS-232 and IR ports. This family design of HDBaseT™ technology allows a full usage of HDMI and controls over CAT5e/6 cable.

PANELS

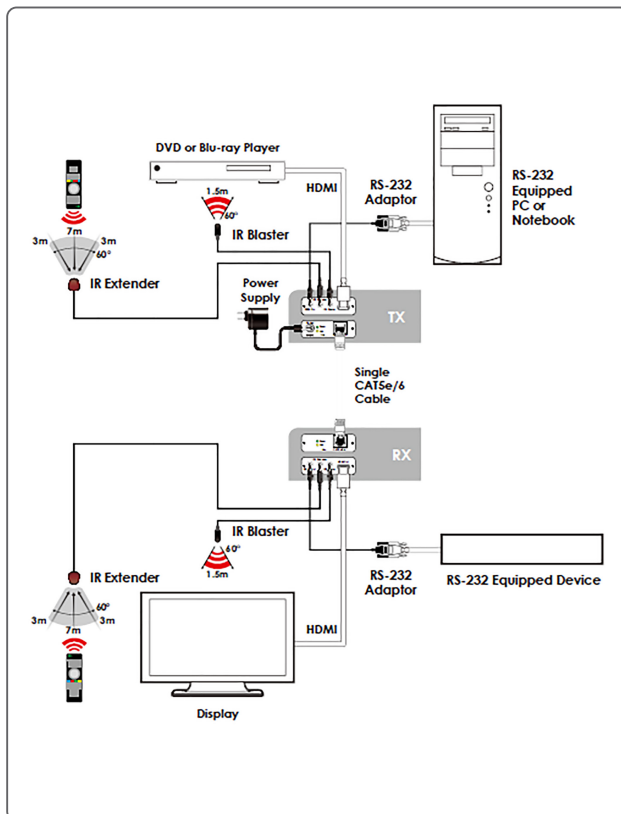


Front View



Rear View

DIAGRAM



FEATURES

- Compatible with HDCP and DVI
- Supports HDMI 3D and 4K x 2K features
- Supports HDBaseT-Lite Technology
- Supports HD resolutions up to 1080p@60Hz/36-bit
- Supports distance up to 60 meters through CAT5e/6/7 cable
- HDMI input/output up to 15 meters with 8bits resolution or 10 meters with 12bits resolution
- RS-232 with baud rate up to 115200/sec
- Supports wide range of IR frequency from 30~50kHz
- Supports HDCP repeater and CEC bypass
- Audio supports LPCM 7.1CH, Dolby TrueHD, Dolby digital Plus and DTS-HD Mater Audio transmission

SPECIFICATIONS

Interfaces

Input Port	HDMI (Type A)
	1 x IR Extender (3.5mm)
Output Port	1 x RS-232 (3.5mm)
	1 x CAT5e/6
	1 x IR Blaster (3.5mm)

Video

HDMI Compliance	HDMI2.0 (DVI1.0)
HDCP Compliance	2.X
Input Signal Type	4096x2160p@60 8bit YUV 4:2:0
Output Signal Type	4096x2160p@60 8bit YUV 4:2:0

Resolutions

Maximum Input	HDMI	4096x2160p@60 YUV 4:2:0
Maximum Output	CAT5e/6	4096x2160p@60 YUV 4:2:0

Power

Power Supply	24V/1.25A DC (US/EU standards, CE/FCC/UL certified)
Power Consumption	6W

Enclosure

Chassis Material	Metal
Chassis Color	Black
Dimensions (W×H×D)	71 mm x 23 mm x 73.5 mm [Case Only]
	71 mm x 23 mm x 79 mm [All Inclusive]
Weight	120g

Field Firmware Update

PCB on board, uses RS232

ORDERING INFORMATION

Model No.	Product Description
CH-506TXPL	HDMI to CAT5e/6 Transmitter
CH-506RXPL	HDMI to CAT5e/6 Receiver