



The HDMI over HDMI and CAT5e/6/7 Transmitter can convert a single HDMI input, 2-way IR and RS-232 control to a single CAT5e/6/7 output and includes a simultaneous HDMI bypass output. It supports resolutions up to 1080p Full HD, 4Kx2K timing, 3D and multi-channel digital audio formats (such as LPCM 7.1CH, Bitstream, HD Bistream). The HDMI bypass output can be connected to an HDMI display or cascaded to another splitter. The CAT5e/6/7 output can be connected to a CAT5e/6/7 to HDMI Receiver to extend the operating distance up to 70 meters.

PANELS

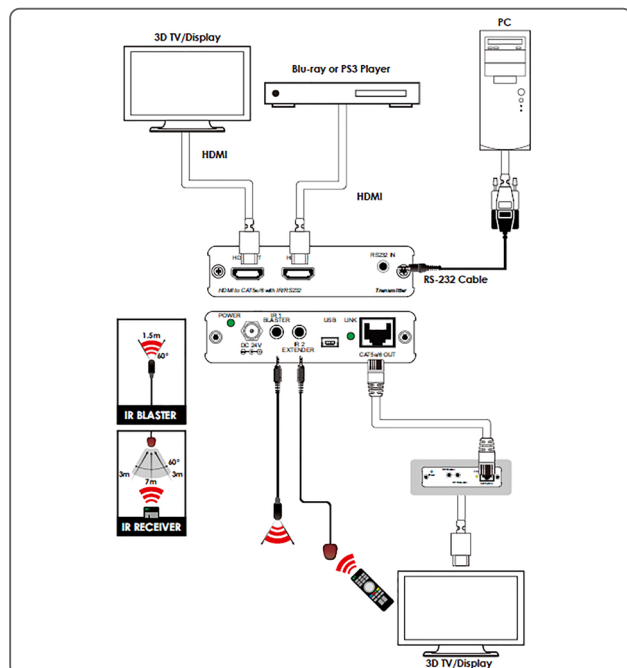


Front View



Rear View

DIAGRAM



ORDERING INFORMATION

Model No.	Product Description
CHDBT-1H1CL	HDMI to CAT5e/6 with IR/RS232
CH-506RXL	HDMI/IR/RS-232 over Single CAT5e/CAT6 Extender
CH-513RXL	CAT5e/6 to HDMI with IR/RS232
CH-514RXL	CAT5e/6 to HDMI with IR

FEATURES

- Simultaneous HDMI and CAT5e/6/7 outputs
- Supports data rate from 250Mbps up to 3Gbps
- Supports up to 4096x2160@60Hz YUV 4:2:0
- Supports LPCM 7.1CH, Bitstream, HD Bistream transmission (32-192kHz sample rate)
- Supports distances up to 70 meters through CAT5e/6/7 cables
- Supports Bidirectional IR control
- The 3D signal display follow by display TV's EDID

Note:

1. This system was tested with CAT6/23AWG cables, results may vary with cables of a different specification.
 2. Displaying HDMI 4Kx2K resolution require the standard 4Kx2K HDMI cable and display in order for proper image displaying.
 3. This device obtain the last memory function therefore, the device will use last CAT5e/6/7 output port's EDID when CAT5e/6/7 output is not connected to a display after power cycling.
- The unit will detect CAT5e/6/7 output's EDID when it obtain a 4Kx2K EDID and send out the signal accordingly to other output ports. If the CAT5e/6/7 output is without a 4Kx2K's EDID the unit will detect all output's EDID and send out the signal that all outputs can accept.

SPECIFICATIONS

Interfaces

Input Port	1 HDMI (Type-A)
Output Port	1 HDMI (Type-A) 1 HDBaseT(RJ-45)
Pass-through Port	1 RS-232 (3.5mm) 1 IR IN (3.5mm) 1 IR OUT (3.5mm)
Service Port	1 USB(Mini-B)

Video

HDMI Compliance	HDMI 2.0a (DVI 1.0)
HDCP Compliance	2.x
Input Signal Type	4096x2160@60Hz YUV 4:2:0 8bit
Output Signal Type	4096x2160@60Hz YUV 4:2:0 8bit

Resolutions

Maximum Input	HDMI	4096x2160p@60 4:2:0
Maximum Output	HDMI	4096x2160p@60 4:2:0
	HDBaseT	4096x2160p@60 4:2:0

Audio

HDMI	LPCM(8CH), Bitstream, HD Bitstream
HDBase T	LPCM(8CH), Bitstream, HD Bitstream

Power

Power Supply	24V / 1.25A DC
Power Consumption	6.3W

Enclosure

Chassis Material	Metal
Chassis Color	Gray
Dimensions (WxHxD)	102 mm x 25 mm x 102 mm [Case Only] 102 mm x 25 mm x 110 mm [All Inclusive]
Weight	244g

Field Firmware Update

USB to PC