HDBaseT 100m Extender Set
CM-BT10-TXRX100

4K Support Now!

The extender set uses HDBaseT technology to transmit HDMI signals from a single source (i.e., a cable or satellite set top box, Blu-ray player, game console) over conventional CAT 5e/6/7 UTP over distances up to 100 meters (328 ft)*. Each PoC-capable set is HDCP 2.2 compliant, supports 4K x 2K, 1080p, and 3D and provides bi-directional IR and RS232 control and Ethernet to the room.

- HDBaseT technology for uncompressed signal transmission
- Supports 4K x 2K, 3D, 1080p
- Transfers bi-directional IR and RS232 control signals
- 10/100baseT Ethernet to the room
- 100 m transmission over CAT 5E/6/7 cable
- PoC technology (from Tx to Rx or Rx to Tx)
- HDCP compliant with EDID and CEC pass through

Technical Specifications

Video

TX Input	1 HDMI 1.4a
TX Output	1 RJ45, HDBaseT
RX Input	1 RJ45, HDBaseT
RX Output	1 HDMI 1.4a
Bandwidth	10.2 Gbps
Transmission	100 m (230 ft) over CAT 5e/ CAT 6 preferred
Max. resolution	Up to 4096 x 2160 at 30Hz
4K x 2K	Yes, up to100 m over CAT 5e/ CAT 6 preferred
4K x 2K Supported formats	12 bit color depth, 4:2:2 color sampling at 30Hz 8 bit color depth, 4:4:4 color sampling at 30Hz
3D	Yes
HDCP 2.2	Yes

Audio

Standards	Digital audio, transmits through HDMI audio

Ethernet

TX	2 RJ45 10/100 BaseT
RX	2 RJ45 10/100 BaseT

Set-up and control

EDID	Yes
PoC	Yes
Ethernet	Yes
Bi-directional	Yes, IR and RS232

General

Power source	100 - 240 VAC, 50/60Hz
Power supply	Input: 100 VAC, 240 VAC, 50/60Hz Output: 24 VAC, 1.25 A
Max. consumption	10 W
Temperature	-4 to 140° F (-20 to 70° C)
Humidity	10 to 90% non-condensing
TX Dimensions (WxHxD)	5.98 x 1.10 x 3.31 in (152 x 28 x 84 mm)
RX Dimensions (WxHxD)	5.98 x 1.10 x 3.31 in (152 x 28 x 84 mm)
TX Weight (approx.)	1.8 lb (.8 kg)
RX Weight (approx.)	1.8 lb (.8 kg)

Optional Accessories

CM-IRRX-10	Cable kit, IR emitter and receiver