

CX-1HDMI

HDMI EXTENDER WITH HDBaseT, RS-232 & BI-DIRECTIONAL IR



c-linx series

Features

- Supports HDMI Deep Color, full 3D, 4K2K/30Hz (HDBaseT technology)
- Extend the transmission up to 100m from the HDMI source at Full HD 1080p 48-bit and 80m at 4K2K/30Hz
- HDCP & EDID Bypass
- CEC support
- Auto equalization
- Pure unaltered uncompressed 7.1ch digital HDMI over Cat.5/5e/6 cable transmission
- DTS-HD Master Audio and Dolby TrueHD high bit rate audio support
- Support full frequency IR signal from 20KHz to 60KHz
- Bi-directional IR path-through
- Full Duplex RS-232 control up to 115,200 bps through connector

Applications

- Digital Signage
- Auditoriums
- Video Walls
- Theaters
- Conference Rooms
- Houses of Worship

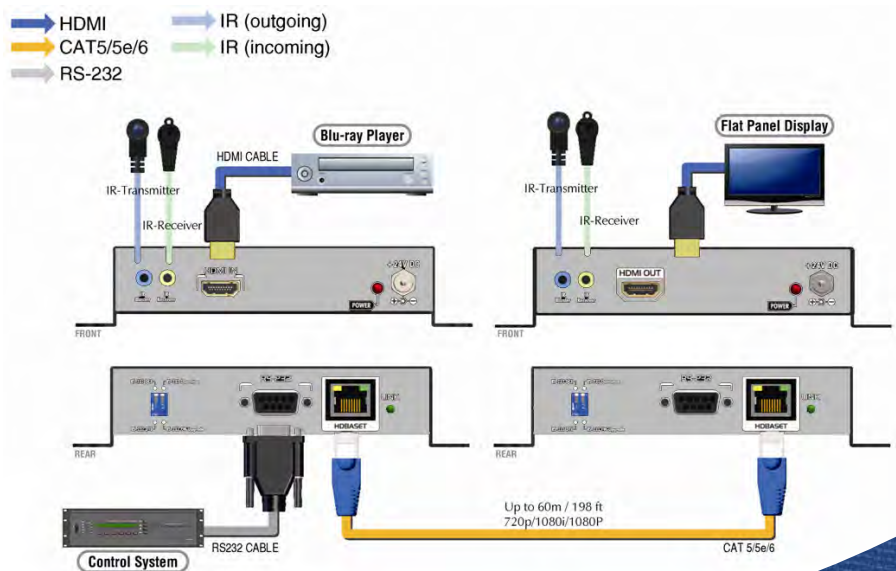
HDMI Extender with HDBaseT, RS-232 and Bi-directional IR

The CX-1HDMI provides a professional way to extend HDMI with HDBaseT, RS-232 and Bi-directional IR, in real time over CATx. With CX-1HDMI, users can transmit the most high quality 3D digital video with HDMI specification from DVD players, Blu-ray Disc player, PS3, and any other kinds of sources compliant with TMDS, to distant display monitors, including HDMI or DVI enabled TV sets or LCD PC monitors. Compatibility is further insured with advanced design for the latest HDMI technology, deep color video, DTS-HD audio, Dolby TrueHD audio and HDCP support

In addition, the CX-1HDMI is equipped with bi-directional IR pass-through path and RS-232 serial port control. These bonus features allow users to boost IR control distance up to 100m and makes IR control possible through only a single CATx cable including HDMI signals. The included serial port offers a convenient path for interactive applications such as touch panels.

The CX-1HDMI comes as a link, with both transmitter and receiver units. The transmitter is used to capture the input HDMI/DVI signals with IR control packets and the carry the signals over a single CATx cable. The receiver equalizes the transmitted HDMI signal and reconstructs IR and serial control signals. The CX-1HDMI ensures that architects, integrators, installers and end-users are presented with more options than ever before for sending impressive digital video to remote displays.

Connection Diagram



CX-1HDMI

HDMI Extender with HDBaseT, RS-232 & Bi-directional IR

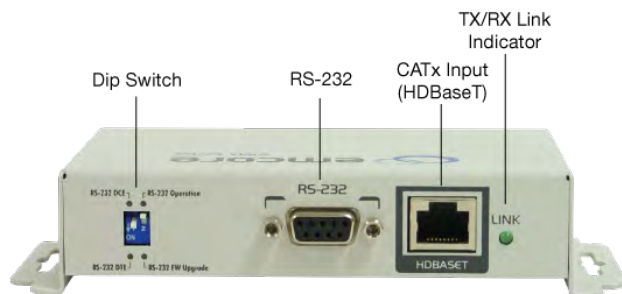
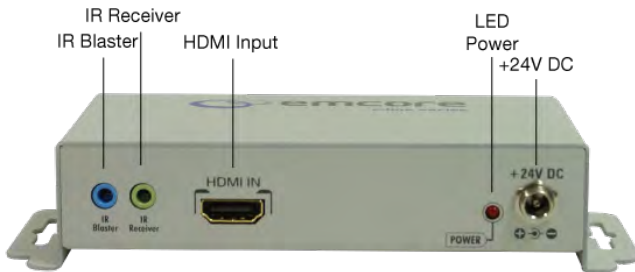


Ordering Information

Model	Description
CX-1HDMI	HDBaseT, HDMI extender (Tx and Rx) over single cat.X, 100m, stand-alone with power supplies

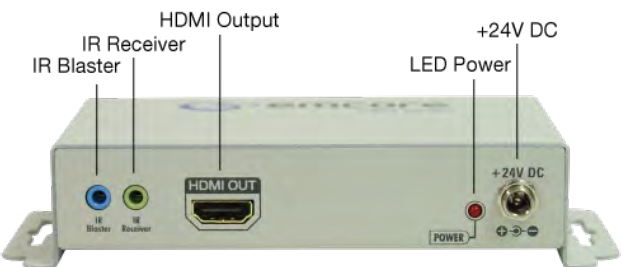
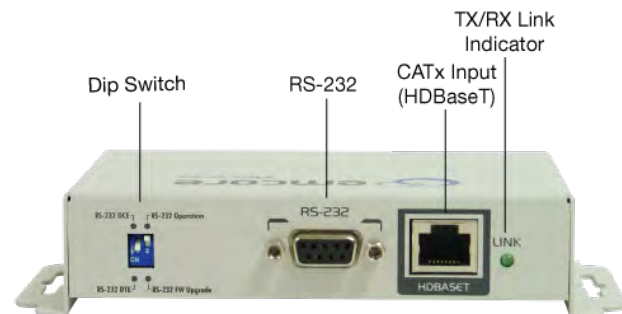
Connection Diagram

CX-1HDMI Tx Input Panel



CX-1HDMI Tx Output Panel

CX-1HDMI Rx Input Panel



CX-1HDMI Rx Output Panel

Video

Specifications	Values
Inputs	HDMI
Outputs	HDMI
HDMI connector	Type A [19-pin female]
HDMI and HDCP Compliance	HDMI Deep Color, full 3D & 4K2K@30Hz and HDCP 1.1
Video bandwidth	340 MHz [10.2Gbps]
Video support	480p@60Hz, 720p@60Hz, 1080p@60Hz, 1920x1200@60Hz, 1600x1200@60Hz, 480p@60Hz, 720p@60Hz, 1080p@60Hz, 1920x1200@60Hz, 1600x1200@60Hz, 4K2K@30Hz

Audio

Specifications	Values
Inputs	Surround sound [up to 7.1ch] or stereo digital audio with auto equalization

Data

Specifications	Values
Data IRD	Bi-directional IR
IRD connector	3.5mm earphone jack
RS-232 support	Yes

General

Specifications	Values
Input Power	24V DC
Power Consumption	12w max
Weight	11 oz [320g]
Dimensions	3.3" x 2.4" x 1" [85 x 60 x 25mm]
Operating Temperature	0~40°C [32~104°F]
Storage Temperature	-20~60°C [-4~140°F]
Relative Humidity	20~90%

Compliance



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