



4K HDBaseT Extender

TRI-AVC-H150U2-R-5026



Product Overview

TRI-AVC-H150U2-R-5026 is a receiver which can extend HDMI signal, bi-directional IR control signal and USB KVM signal to a distance up to 492ft / 150m (Long Reach Mode) via a single CAT6 cable. This product converts HDMI signal to standard HDBaseT signal and transmits it through LAN cable. It can easily control signal source device or display device from the remote end through bi-directional IR signal pass-through function. Video resolution is up to 4K2K@60Hz YUV 4:4:4. It also supports POC.

CR-UCAT HDMI150U2R offers ideal solutions for homes, offices, digital entertainment centers, control centers, conference rooms, schools and corporate training environments, where require HDMI source and transmission over long distance.



4K2K@60Hz (4:4:4)



Support for POC



Dolby Vision

Key Features

- HDMI 2.0b and HDCP 2.2 compliant
- Support 18Gbps video bandwidth
- Support video resolution up to 4K2K@60Hz YUV 4:4:4
- With Mode DIP switch to select HDBaseT Mode & Long Reach Mode

HDBaseT Mode:

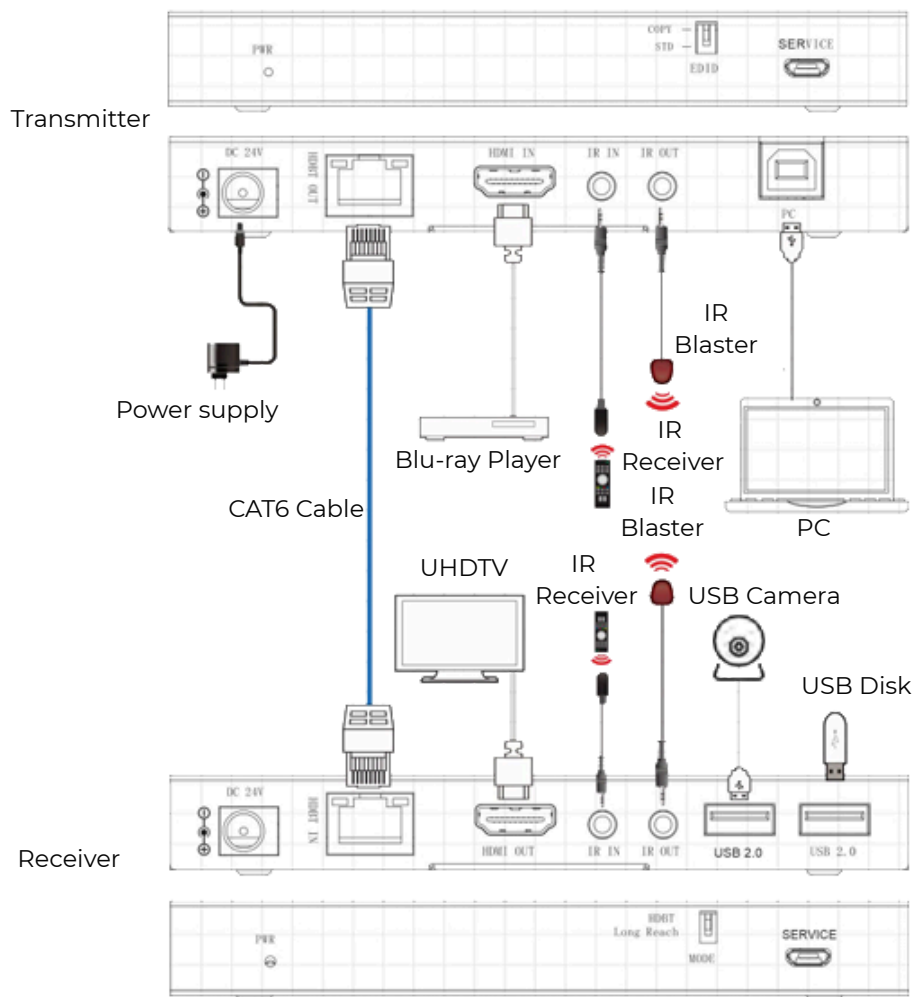
USB supports USB 2.0 transmission (support connecting with USB camera, USB flash drive and other devices); the audio & video signal transmission distance can be extended up to 328ft / 100m for 4K60

Long Reach Mode:

USB only supports HID (Human Interface Device) device; the audio & video signal transmission distance can be extended up to 492ft / 150m For 1080P or 394ft / 120m for 4K@60

- Bi-directional IR signal and USB KVM signal pass-through are supported
- Support bi-directional PoC (Power over Cable) function
- Advanced EDID management
- Compact design for easy and flexible installation

Connection Diagram



Product specification

HDMI Compliance

HDMI 2.0b

HDCP Compliance

HDCP 2.2

Video Bandwidth

18 Gbps

Video Resolution

Up to 4K2K@60Hz YUV 4:4:4

USB Compliance

USB 2.0

IR Level

5Vp-p

IR Frequency

Wideband 20K-60KHz

Input DDC Signal

5.0Volts P-P

Transmission Distance

HDBaseT Mode:

4K60 – 328ft / 100m

1080P – 492ft / 150m

Long Reach Mode:

4K60 – 394ft / 120m

1080P – 492ft / 150m

Product specification

Color Space

RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2,
YCbCr 4:2:0

Color Depth

8 / 10 / 12bit

Interface

Input:

1 × HDBaseT IN (RJ45 with light)
1 × IR IN (3.5mm Stereo Mini-jack)
1 × SERVICE (Micro-USB jack)

Output:

1 × HDMI OUT (Type-A, 19-pin female)
1 × IR OUT (3.5mm Stereo Mini-jack)
2 × USB 2.0 (USB-A, 4-pin female)

HDR Support

HDR, HDR10, HDR10+, Dolby Vision, HLG

Audio Format

LPCM 7.1CH, Dolby TrueHD, DTS-HD
Master

ESD Protection

Human body model ±8kV (Air-gap
discharge), ±4kV (Contact discharge)

Housing

Metal enclosure

Dimensions

140mm (W) × 65mm (D) × 18mm (H)

Weight

Transmitter: 245g

Receiver: 249g

Power Supply

DC 24V/1A

Support bi-directional PoC function

Power Consumption

13.2W (Max.)