



4K HDBaseT Transmitter

TRI-AVC-H150U2-T-5025



Product Overview

TRI-AVC-H150U2-T-5025 is a transmitter that can extend HDMI signal, bidirectional IR control signal, and USB KVM signal to a distance of up to 492 ft / 150 m (Long Reach Mode) via a single CAT6 cable. This product converts an HDMI signal to a 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. TRI-AVC-H150U2-T-5025 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:

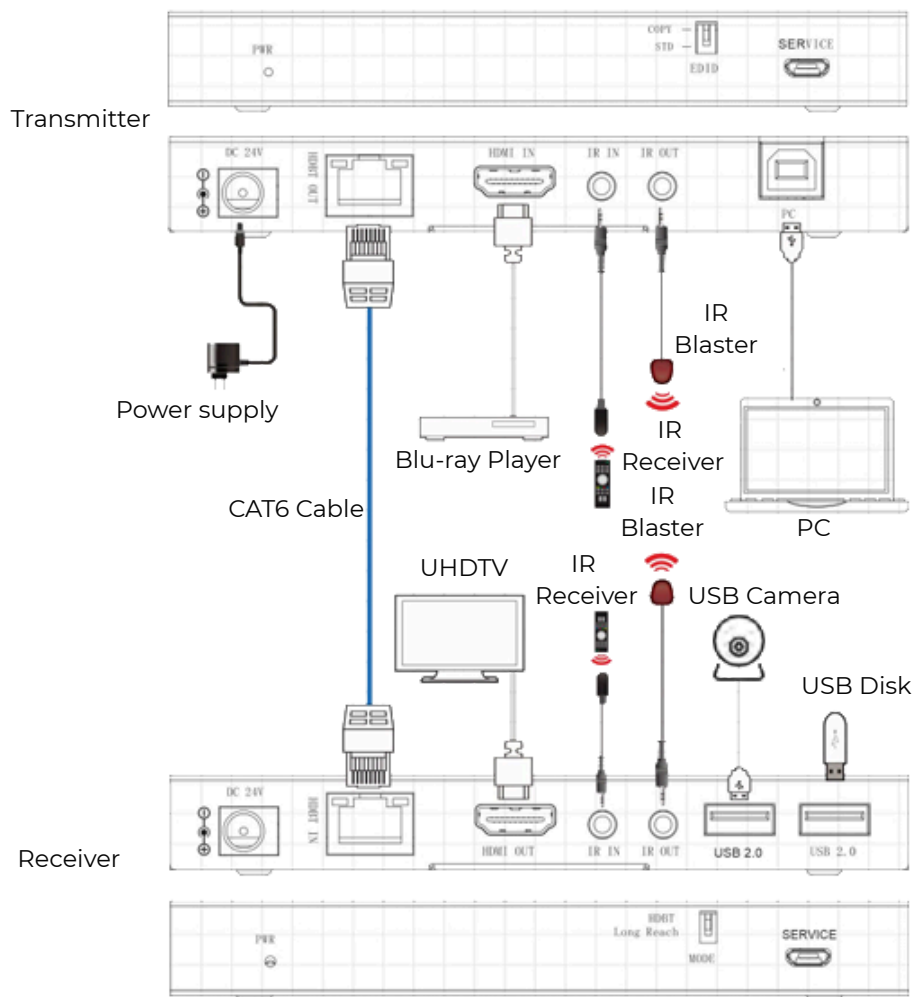
USB supports USB 2.0 transmission (support connecting with USB camera, USB flash drive and other devices); the audio & video signal transmission distance can be extended up to 328ft / 100m for 4K60

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× HDMI IN (Type-A, 19-pin female)
1× IR IN (3.5mm Stereo mini-jack)
1× SERVICE (Micro-USB)
1× USB B (Type-B, 4-pin female)

Output:

1× HDBaseT OUT (RJ45)
1× IR OUT (3.5mm Stereo mini-jack)

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.)