



4K HDBaseT Extender

TRI-AVC-H150-R-5028



Product Overview

The 18 Gbps HDMI Extender TRI-AVC-H150-R-5028 can extend high-definition video/audio signals, RS-232, and bidirectional IR, and the distance is up to 492 ft/150 meters between transmitter and receiver via a single CAT cable. It supports resolution up to 4K2K@60Hz 4:4:4, 18Gbps and HDCP 2.2. One HDMI loop port is available for output. It also supports de-embedded audio for L/R audio output and PoC function. In addition, the extender is equipped with two-way IR pass-through which allows for source and display control.

TRI-AVC-H150-R-5028 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

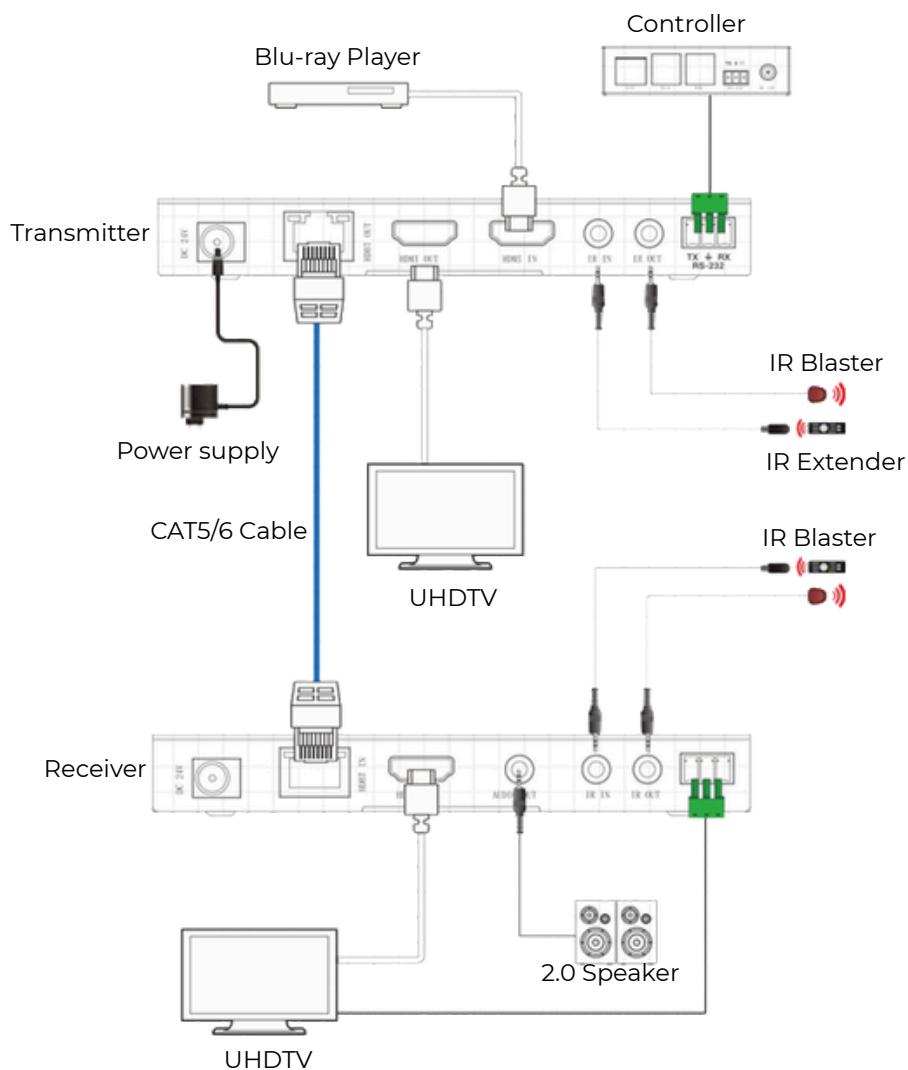


Dolby Vision

Key Features

- HDMI 2.0, HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant
- Support 18Gbps video bandwidth
- Input and output extends distance up to 394ft / 120 meters when 4K2K signal and 492ft / 150 meters when 1080P signal
- Support one HDMI loop output on transmitter
- De-embedded audio to analog stereo output on receiver
- With bi-directional IR, RS-232 and CEC pass-through
- Support HDR, HDR10+, Dolby Vision and HLG function
- Support PoC (Power over Cable)
- Compact design for easy and flexible installation.

Connection Diagram



Product specification

HDMI Compliance

HDMI 2.0b

HDCP Compliance

HDCP 2.2 / 1.4

Video Bandwidth

18 Gbps

Temperature

Operating: 32–104°F / 0–40°C

Storage: -4–140°F / -20–60°C

Relative Humidity

20–90% RH (no condensation)

ESD Protection

Human body model – $\pm 8\text{kV}$ (Air-gap discharge)
 $\pm 4\text{kV}$ (Contact discharge)

Color Depth

8/10/12-bit (1080p60Hz, 4K30Hz)
YCbCr 4:2:0/4:2:2/4:4:4 (4K60Hz, 4:4:4)

Color Space

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

Transmission Distance

4K2K: 394ft / 120M

1080P: 492ft / 150M

Product specification

Video Resolution

4K2K 50/60Hz 4:4:4; 4K2K 50/60Hz 4:2:2;
4K2K 50/60Hz 4:2:0; 4K2K 30Hz 4:4:4;
1080p, 1080i, 720p, 720i, 480p, 480i
All HDMI 3D TV formats
All PC resolutions including 1920 × 1200

Audio Format

HDMI: LPCM 2.0/2.1/5.1/7.1, Dolby Digital,
Dolby TrueHD, Dolby Digital Plus (DD+),
DTS-ES, DTS-HD Master
DTS HD-HRA, DTS-X
Analog Signal: PCM 2.0

Housing

Metal Enclosure

Dimensions

140mm [W] × 65mm [D] × 18mm [H]

Power Consumption

9.36W

Color

Black

Power Supply

Input: AC 100–240V 50/60Hz
Output: DC 24V/1A (Locking connector)

Interface

Inputs:

1 × HDBT IN (RJ45, 8-pin female)
1 × SERVICE (Mini-USB, Update port)

Outputs:

1 × HDMI Type A (19-pin female)

Control:

1 × IR IN 3.5mm Stereo Mini-jack
1 × IR OUT 3.5mm Stereo Mini-jack
1 × RS-232 (Phoenix jack)