



4K HDBaseT Receiver

TRI-AVC-BDET-R-5022



Product Overview

TRI-AVC-BDET-R-5022 is designed to be used in conjunction with the HDMI wall plate. It can extend transmission distance up to 230 ft / 70 m for a 1080P signal or 131 ft / 40 m for a 4K signal. The video resolution is up to 4K@60Hz 4:4:4. It supports audio de-embedding, two-way IR and RS-232 signal control, and the 24V POC function.

CR-uCAT5 HDMI 70R 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.

4K

4K@60Hz (4:4:4)



audio de-embedding

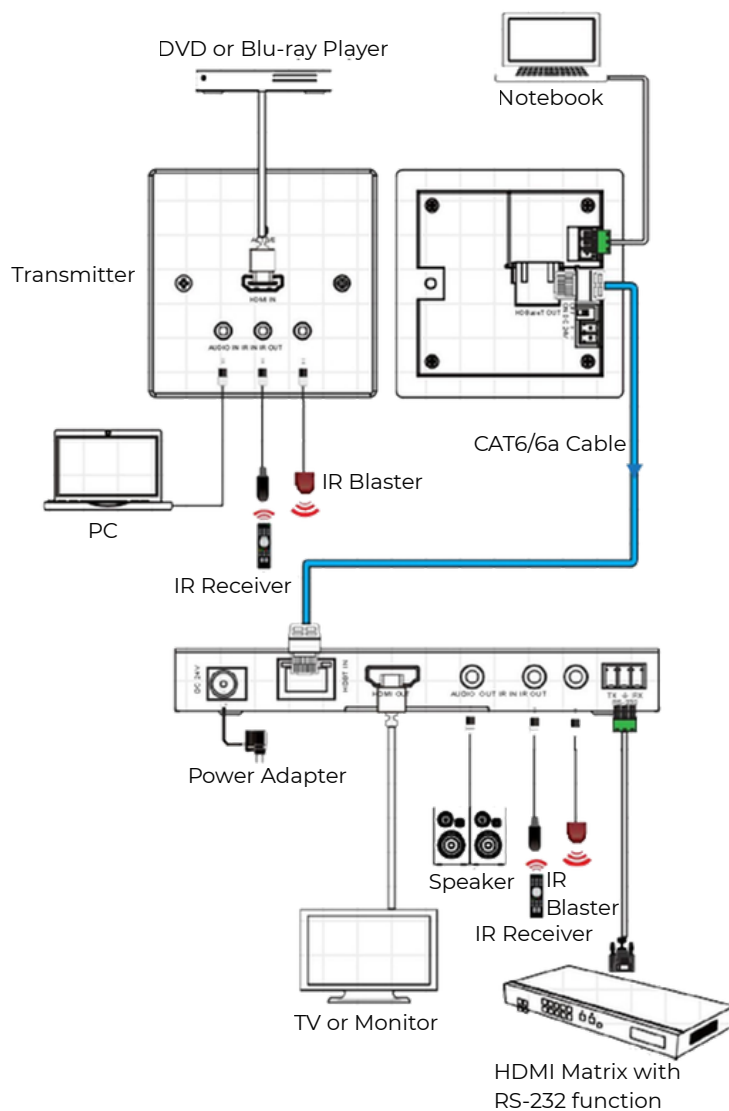


Dolby Vision

Key Features

- HDMI 2.0b, HDCP 2.2 / 1.4 and DVI 1.0 compliant
- Support 18Gbps video bandwidth
- Support video resolution up to 4K@60Hz 4:4:4
- Transmission distance can be extended up to 230ft / 70m for 1080P signal or 131ft / 40m for 4K signal via a single CAT6/6a cable
- Support audio de-embedding
- With bi-directional IR, RS-232 and CEC pass-through
- HDR, HDR10+, Dolby Vision and HLG function supported
- Support POC (Power over Cable) function
- Compact design for easy and flexible installation

Connection Diagram



Product specification

HDMI Compliance

HDMI 2.0b

HDCP Compliance

HDCP 1.4 and HDCP 2.2

Video Bandwidth

18 Gbps

Video Resolution

Up to 4K@60Hz 4:4:4

Color Space

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

Color Depth

8/10/12-bit (1080P60Hz, 4K30Hz, 4K60Hz YCbCr 4:2:2/4:2:0), 8-bit (4K60Hz 4:4:4)

HDMI Audio Formats

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

L/R Audio Formats

PCM 2.0

ESD Protection

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

Product specification

Input interface

1 × HDBT IN (RJ45, 8-pin female)

Output interface

1 × HDMI OUT (Type-A, 19-pin female)

1 × AUDIO OUT (3.5mm Stereo Mini-jack)

Control interface

1 × IR IN (3.5mm Stereo Mini-jack)

1 × IR OUT (3.5mm Stereo Mini-jack)

1 × RS-232 (Phoenix jack)

1 × SERVICE (Mini-USB, Update port)

Housing

Metal Enclosure

Color

Black

Dimensions

140mm (W) × 65mm (D) × 18mm (H)

Weight

249g

Power Supply

Input: AC 100–240V, 50/60Hz

Output: DC 24V/1A (Locking connector)

Power Consumption

5.6W (Max)

Operating Temperature

32–104°F / 0–40°C

Storage Temperature

–4–140°F / –20–60°C

Relative Humidity

20–90% RH (no condensation)