



4K HDBaseT Transmitter

TRI-AVC-WP70-T-5023



Product Overview

TRI-AVC-WP70-T-5023 HDMI wall plate supports one HDMI input and analog audio input within a standard 86mm×86mm wall box. The HDBaseT port over a single CAT6/6a cable can extend transmission distance up to 230ft / 70m for 1080P signal or 131ft / 40m for 4K signal. The video resolution is up to 4K@60Hz 4:4:4. It supports audio embedding, and the receiver supports audio de-embedding. This product supports two-way IR and RS-232 signal control, EDID management and 24V POC function. It can be directly connected with an HDBT projector via a 70m CAT cable.

TRI-AVC-WP70-T-5023 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@60Hz (4:4:4)



audio de-embedding

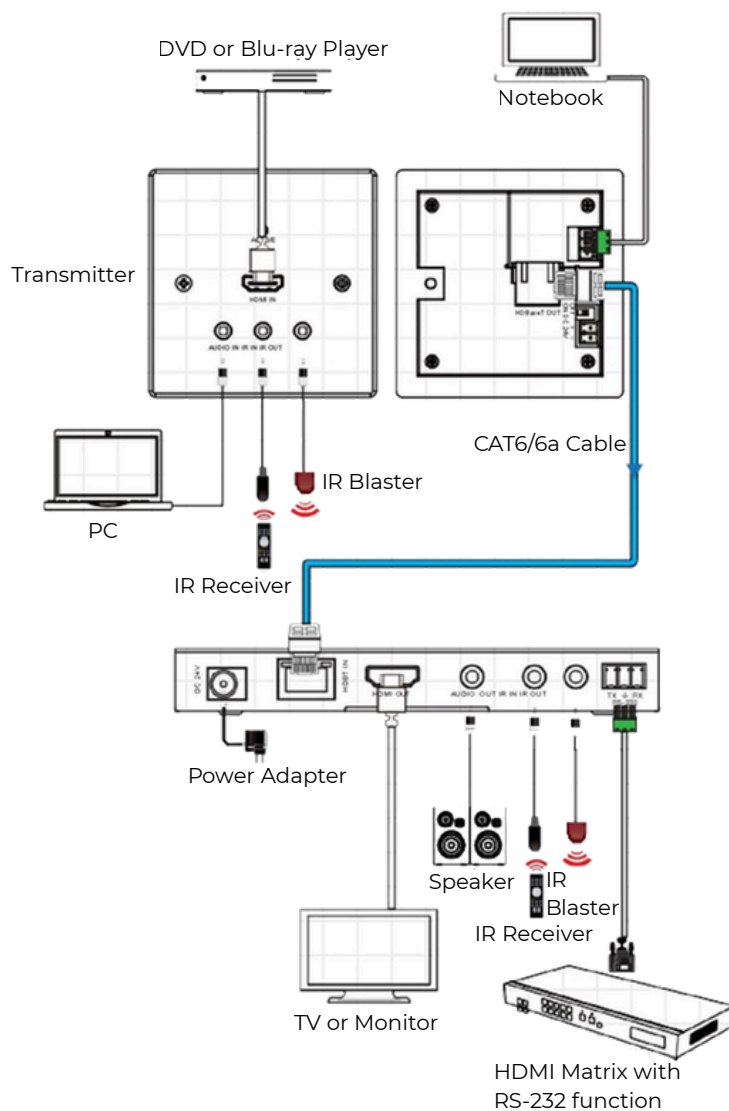


Dolby Vision

Key Features

- HDMI 2.0b and HDCP 2.2 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 single CAT6/6a cable
- Transmitter supports audio embedding, Receiver supports audio de-embedding
- Support two-way IR and RS-232 control
- Standard 86mm×86mm wall box
- POC 24V or local DC 24V power supply

Connection Diagram



Product specification

HDMI Compliance

HDMI 2.0b

HDCP Compliance

HDCP 2.2

Video Bandwidth

18 Gbps

Video Resolution

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

Video Compression Standard

HDBT

Color Space

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

Color Depth

8 / 10 / 12 bit

HDR

HDR, HDR10, HDR10+, Dolby Vision, HLG

IR Level

5Vp-p

IR Frequency

Wideband 20K-60KHz

Audio Formats

HDMI: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS-HD Res, DTS-HD Master Audio, DSD

Analog: PCM 2.0

Product specification

ESD Protection

Human body model: $\pm 8\text{kV}$ (air-gap discharge) & $\pm 4\text{kV}$ (contact discharge)

Transmission Distance

1080P – 70m, 4K – 40m (CAT6/6a)

Input interface

1 × HDMI IN (Type A, 19-pin female)

1 × AUDIO IN (3.5mm Stereo Mini-jack)

Output interface

1 × HDBaseT OUT (RJ45)

Control interface

1 × RS-232 (Phoenix jack)

1 × IR IN (3.5mm Stereo Mini-jack)

1 × IR OUT (3.5mm Stereo Mini-jack)

1 × SERVICE (Micro-USB jack)

Housing

Aluminum Enclosure – Front Panel

Metal Enclosure – Rear Panel

Color

White – Front Panel

Black – Rear Panel

Dimensions

86mm (W) × 86mm (D) × 38mm (H)

Weight

185g

Power Supply

Input: AC100–240V 50/60Hz

Output: DC 24V/1A (US/EU standards, CE/FCC/UL certified)

Power Consumption

9W (POC)

Operating Temperature

32–104°F / 0–40°C

Storage Temperature

-4–140°F / -20–60°C

Relative Humidity

20–90% RH (no condensation)