



4K HDMI Extender

TRI-AVC-DWT-5032



Product Overview

TRI-AVC-DWT-5032 can extend HDMI signal up to 33000 feet / 10 km over single-mode fiber cable. It supports video resolution up to 4K2K@60Hz 4:4:4. The transmitter supports loop output, audio embedding, and EDID management functions. The receiver supports audio extracting function. In addition, the extender supports bidirectional IR control and RS-232 signal pass-through, allowing easy control of the display device from the signal source side or control of the signal source device from the display side.

TRI-AVC-DWT-5032 offers ideal solutions for homes, offices, digital entertainment centers, control centers, conference rooms, schools, and corporate training environments, where long-distance HDMI source and transmission are required.



4K2K@60Hz 4:4:4



Local Video & Audio Sharing

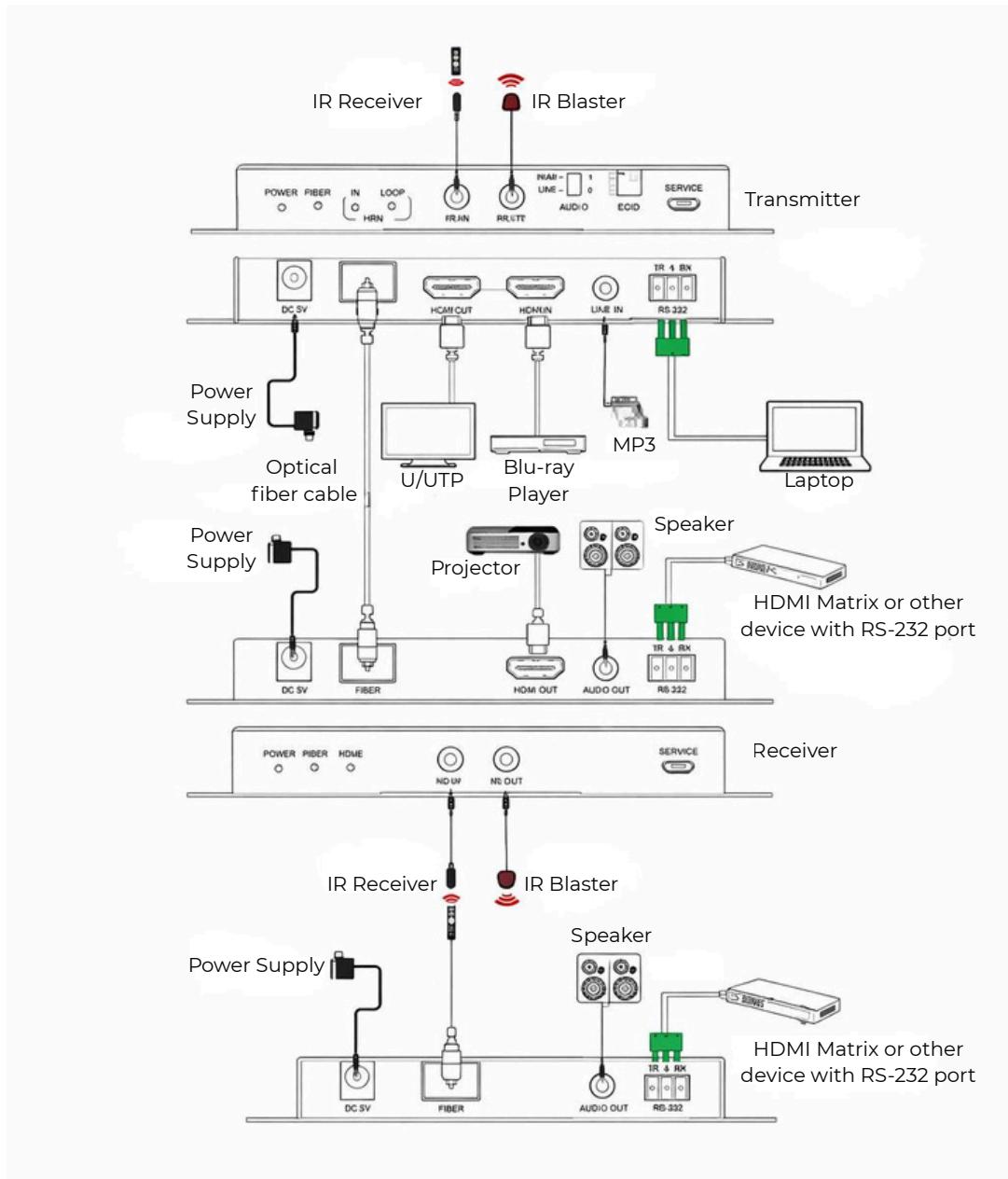


Dolby True HD

Key Features

- HDMI 2.0b, HDCP 2.2 and DVI 1.0 compliant
- Support 18Gbps video bandwidth
- Video resolution up to 4K2K@50/60Hz 4:4:4
- HDMI audio formats:
LPCM2.0 / 5.1 / 7.1CH, Dolby Digital/Plus/EX,
Dolby True HD, DTS, DTS-ES, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- Support 3D and HDR format video (does not support CEC control)
- Transmission distance up to 33,000 feet / 10 km over single-mode fiber cable
- Supports bi-directional IR control, RS-232 pass-through, and EDID management for simple control
- Transmitter supports HDMI loop output (local video and audio sharing)
- Receiver supports audio extracting output function
- 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

Color Depth

8 / 10 / 12-bit

Transmission Distance

Up to 33,000 feet / 10 km (single-mode fiber cable)

IR Frequency

20KHz – 60KHz

Color Space

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

HDMI Audio Formats

LPCM 2.0/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby TrueHD, DTS, DTS-ES, DTS-96/24, DTS-HD Master Audio, DSD

Product specification

RS-232 Baud Rate

4800 – 115200 bps

ESD Protection

Human body model: $\pm 8\text{KV}$, Air gap discharge: $\pm 8\text{KV}$, Contact discharge: $\pm 4\text{KV}$

Housing

Black metal enclosure

Dimensions

134 mm (W) \times 88 mm (D) \times 18 mm (H)

Weight

278 g

Power Supply

DC 5V / 1A (US/EU standards, CE/FCC/UL certified)

Power Consumption

2.7 W (Max.)

Input / Output Ports

- 1 x Optical Fiber In (LC female)
- 1 x Optical Fiber Out (LC female)
- 1 x HDMI In (Type-A, 19-pin female)
- 1 x HDMI Out (Type-A, 19-pin female)
- 1 x RS-232 (3.5 mm Phoenix connector)
- 1 x IR In (3.5 mm Stereo Mini-jack)
- 1 x IR Out (3.5 mm Stereo Mini-jack)
- 1 x Audio Out (3.5 mm Stereo Mini-jack)