



## 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

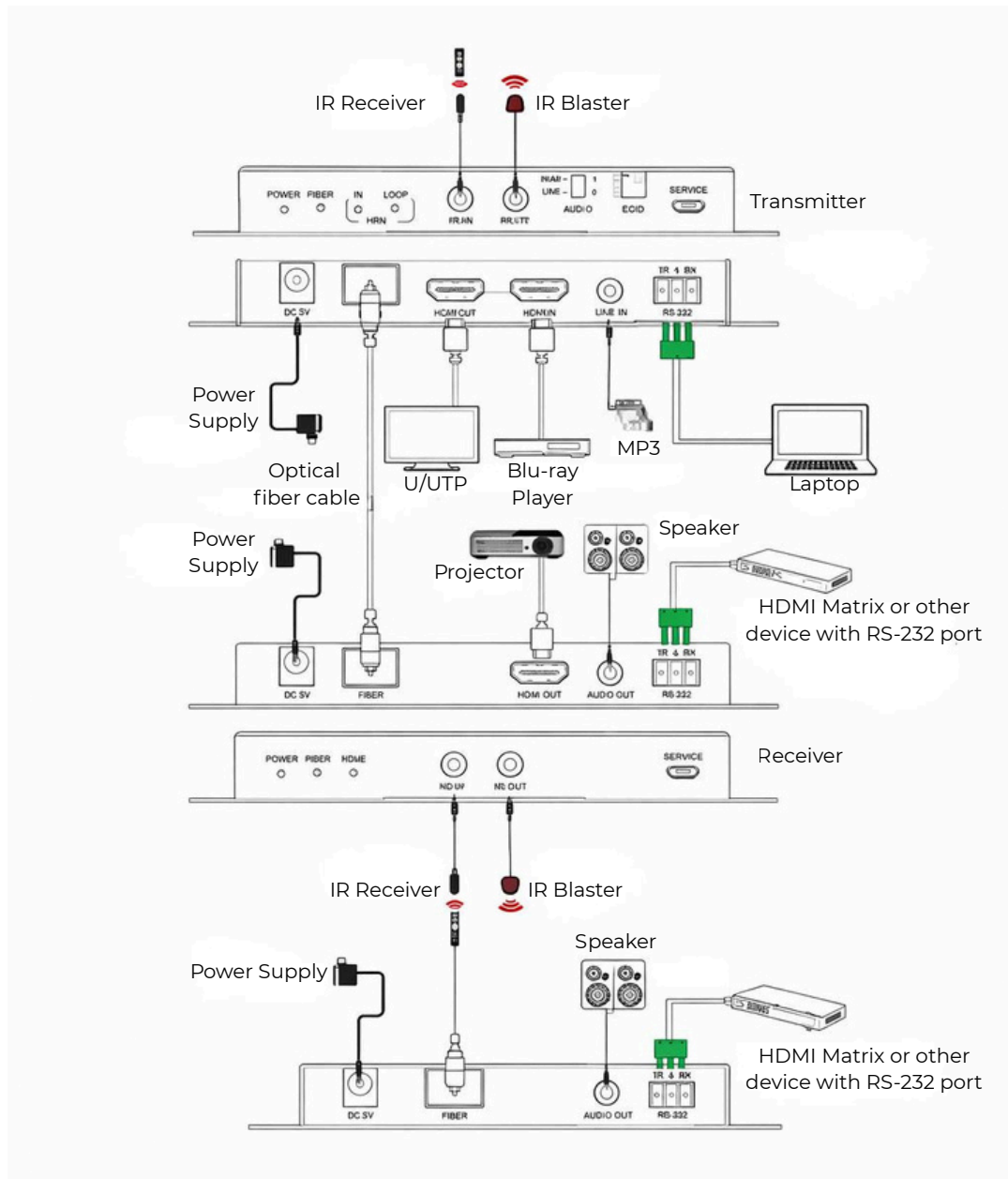


Dolby True  
HD

### 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) × 88 mm (D) × 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 × Optical Fiber In (LC female)

1 × Optical Fiber Out (LC female)

1 × HDMI In (Type-A, 19-pin female)

1 × HDMI Out (Type-A, 19-pin female)

1 × RS-232 (3.5 mm Phoenix connector)

1 × IR In (3.5 mm Stereo Mini-jack)

1 × IR Out (3.5 mm Stereo Mini-jack)

1 × Audio Out (3.5 mm Stereo Mini-jack)