front side

back side

Digital Audio over CAT Extender 300m

This HDMI Extender 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. Transmitter supports loop output, audio embedding, and EDID management function. The receiver supports an audio extracting function. In addition, the extender supports bidirectional IR control and RS-232 signal pass-through. It can allow you to easily control the display device on the signal source side or control the signal source device on the display side when using this extender.

Featured Highlights

- HDMI 2.0b, HDCP 2.2, and DVI 1.0 compliant
- Supports 18Gbps video bandwidth
- Video resolution up to 4k2k@50/60Hz 4:4:4
- HDMI audio formats: LPCM2/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby TrueHD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- Supports 3D and HDR format video does not support CEC control
- Transmission distance up to 33000 feet/10 km (over single-mode
- fiber cable)
- Supports bidirectional IR control, RS-232 pass-through, and EDID management for simple and convenient control
- Transmitter supports loop output (sharing local HD video and audio) and audio embedding function
- The receiver supports audio extracting output function
- Compact design for easy and flexible installation

SPECIFICATIONS

HDMI Compliance	192kHz - 100m, 96kHz - 150m, 48kHz - 300m
HDCP Compliance	LPCM, DTS, Dolby Digital and Dolby Digital Plus when used as a straight digital in/digital out extender.
Video Bandwidth	32 kHz, 44.1 kHz, 48 kHz, 96 kHz and 192 kHz up to 24-bit resolution
Video Resolution	Human-body Model: ±8kV (Air-gap discharge), ±4kV (Contact discharge)
Color Space	RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0
Color Depth	8/10/12-bit (1080P60Hz) 8-bit (4K60Hz)
HDMI Audio Formats	LPCM2/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX,DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
Transmission Distance	Up to 33000 feet/10 km over single-mode fiber cable
IR Frequency	20KHz-60KHz
RS-232 Baud Rate	4800-115200bps
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

MECHANICAL

Housing	Metal Enclosure
Color	Black
Dimension	Transmitter / Receiver: 134mm [W] x 68mm [D] x 18mm [H]
Weight	Transmitter: 280g, Receiver: 278g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	Transmitter: 3.85 W (Max), Receiver: 2.7 W (Max)
Operating Temperature	32 - 104°F / 0 - 40°C
Storage temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no-condensation)

CONNECTIONS

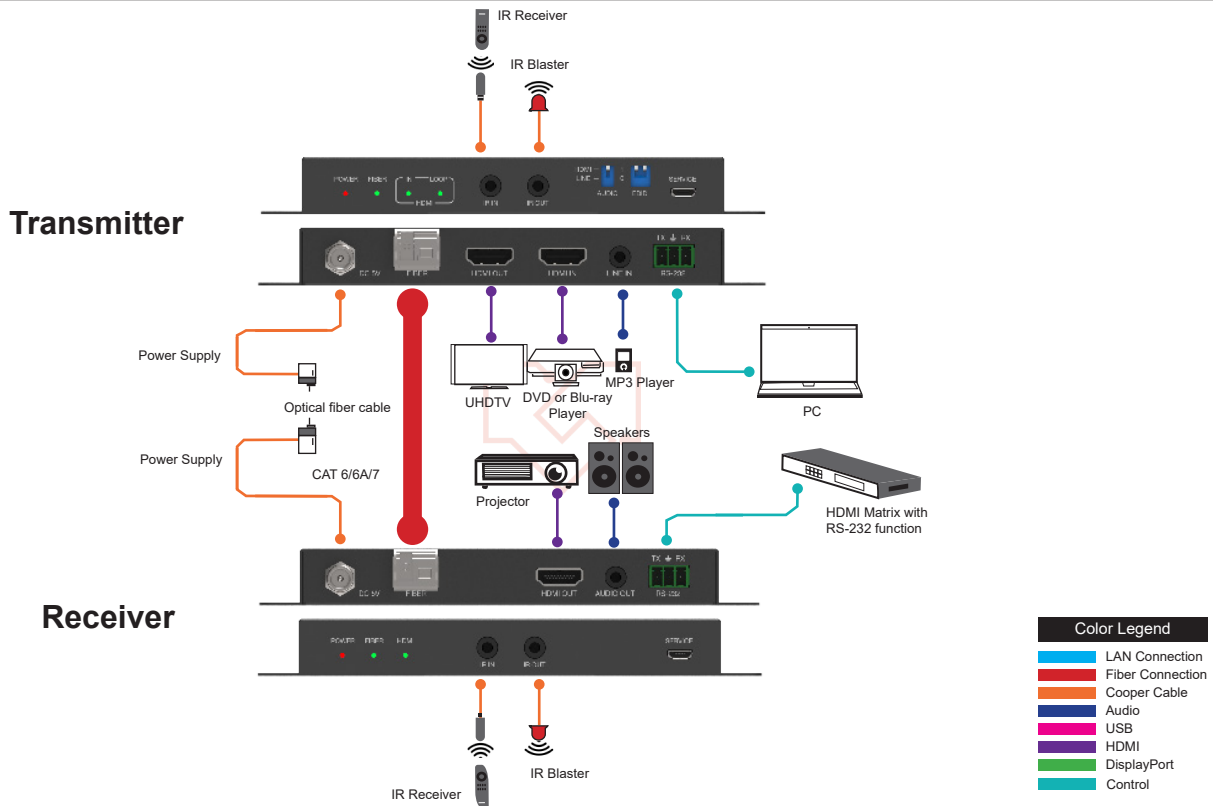|	
Transmitter	Input: 1 x HDMI IN [Type A 19-pin female] 1 x LINE IN [3.5mm Stereo Mini-jack] 1 x IR IN [3.5mm Stereo Mini-jack] 1 x RS-232 [3.81mm Phoenix connector] 1 x SERVICE [Micro USB, Update port] Output: 1 x HDMI OUT [Type A 19-pin female] 1 x Optical Fiber Out [LC female] 1 x IR OUT [3.5mm Stereo Mini-jack]

CONNECTIONS

Receiver	Input: 1 x Optical Fiber In [LC female] 1 x IR IN [3.5mm Stereo Mini-jack] 1 x SERVICE [Micro USB, Update port] Output: 1 x HDMI OUT [Type A 19-pin female] 1 x RS-232 [3.81mm Phoenix connector] 1 x IR OUT [3.5mm Stereo Mini-jack] 1 x AUDIO OUT [3.5mm Stereo Mini-jack]

APPLICATION EXAMPLE

IR Receiver

IR Blaster

Transmitter

Power Supply

Optical fiber cable

Power Supply

CAT 6/6A/7

UHDTV

DVD or Blu-ray Player

MP3 Player

PC

Speakers

Projector

HDMI Matrix with RS-232 function

Receiver

IR Receiver

IR Blaster

Color Legend

- LAN Connection
- Fiber Connection
- Cooper Cable
- Audio
- USB
- HDMI
- DisplayPort
- Control

Applications   Digital Signage, Conference Rooms, Operating Rooms and Audio-Video Rooms