



# EE-HF-TR

18Gbps HDMI fiber extender with HDMI loop out, audio in/out, EDID management, RS232 & IR control



The VitBest EE-HF-TR HDMI fiber extender can extend the HDMI signal up to 300 meters with multi-mode fiber and up to 1000 meters with single-mode fiber, and the maximum video resolution is up to 4K60Hz 4:4:4. The sender end has the functions of loop output, audio insertion and EDID management, and the receiver end has the function of audio out. This product supports bidirectional infrared control, which enables the user to control the display device at the signal source end or to control the signal source device at the display end, and the user can also use RS-232 interface to transmit commands between the transmitter and the receiver. This product has strong anti-interference capability, high safety performance, small size, light weight for easy installation and the incomparable advantages in long-distance transmission.

## FEATURES

- Comply with HDMI 2.0, HDCP 2.2 and DVI 1.0 specifications
- Video resolution up to 4K60Hz 4:4:4
- Support 18gbps video bandwidth
- HDMI audio format: 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
- Support 3D, HDR format video
- Transmission distance up to 300 meters with multi-mode fiber and up to 1000 meters with single-mode fiber
- Support bidirectional infrared control, RS-232 and EDID management which is making the control simple and convenient
- The transmitter has loop output interface (sharing local HD video and audio) and audio insertion function
- The receiver has audio stripping output function

## TECHNICAL SPECIFICATIONS

### TECHNICAL

HDMI	HDMI 2.0
HDCP	HDCP 2.2/HDCP 1.4
Video Bandwidth	18Gbps
Video Resolution	Up to 4K60 4:4:4
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 Format	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	Reaches 300 meters with Multi-mode fiber ; Reaches 1000 meters with single-mode fiber
IR	20KHz~60KHz
RS-232 Baud Rate	4800~115200bps
ESD	±8kV (Air discharge) , ±4kV (Contact discharge)

### GENERAL

Sender	IN: 1×HDMI IN [Type A 19-pin female] 1×LINE IN [3.5mm Stereo Mini-jack] 1×IR IN [3.5mm Stereo Mini-jack] 1×RS-232 [3.81mm phoenix connector] 1×SERVICE [Micro USB]	OUT: 1×HDMI OUT [Type A 19-pin female] 1×Optical Fiber Out [LC female] 1×IR Out [3.5mm Stereo Mini-jack]
Receiver	OUT: 1×Optical Fiber In [LC female] 1×IR In [3.5mm Stereo Mini-jack] 1×SERVICE [Micro USB]	OUT: 1×HDMI OUT [Type A 19-pin female] 1×RS-232 [3.81mm phoenix connector] 1×IR Out [3.5mm Stereo Mini-jack] 1×AUDIO OUT [3.5mm Stereo Mini-jack]
Power Supply	IN: AC 100~240V 50/60Hz ; OUT: DC 5V/1A (US/EU, CE/FCC/UL)	
Power Consumption	Sender: 3.85W (MAX) ; Receiver: 2.7W(MAX)	
Working Temperature	0°C ~ 40°C / 32°F ~ 104°F	
Relative Humidity	20~90% RH	
Weight	Sender: 280g ; Receiver: 278g	
Size	134mm[L]×68mm[W]×18mm[H]	



### About VitBest

VitBest is a professional digital audio video products manufacturer dedicates in manufacturing high quality, reliable and stable products. For audio-visual system integrators, a trustworthy distribution and control electronics components means much more than their sizes.

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www.vitbest.com  
info@vitbest.com