



# 4K@60hz 1000m HDMI HDR Fiber Extenders

Model: EXT-FB-1000



## INTRODUCTION

EXT-FB-1000 HDMI over Optical Fiber Extender can extend HDMI signal up to 4K Ultra HD over 3300 feet/1000 meters (Single-mode cable) or 1000 feet/300 meters (Multi-mode cable) to an HDMI compatible display. It also supports bi-directional infrared control and RS-232 signals transmission. It can allow you to easily control your DVD player at TV side or control your TV at the DVD player side when using this extender.

## I/O INTERFACE

Transmitter : Inputs 1x HDMI Type A, 1x IR In, 1x RS-232 Outputs: 1x Optical Fiber Out, 1x IR Out

Receiver : Inputs 1x Optical Fiber In, 1x IR In Outputs: 1x HDMI Type A, 1x IR Out, 1x RS-232





## SPECIFICATIONS

<b>Technical</b>	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	1 Gbps
Video Resolutions	up to 4K2K@50/60Hz(YUV4:4:4), 4K2K@30Hz, 1080P@120Hz, and 1080P3D@60Hz
Color Space	RGB YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	8-bit, 10-bit, 12-bit
HDMI Audio Formats	LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
Operation Range	Up to 3300 feet/1000 meters over single-mode fiber cable Up to 1000 feet/300 meters over multi-mode fiber cable
IR Frequency	2 KHz - 60KHz
RS-32 Baud Rate	4 00-115200bps
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)
<b>Connections</b>	
Transmitter	Inputs: 1x HDMI Type A [19-pin female] 1x IR In [3.5mm Stereo Mini-jack] 1x RS-232 [3.81mm Phoenix connector] Outputs: 1x Optical Fiber Out [LC female] 1x IR Out [3.5mm Stereo Mini-jack]
Receiver	Inputs: 1x Optical Fiber In [LC female] 1x IR In [3.5mm Stereo Mini-jack] Outputs: 1x HDMI Type A [19-pin female] 1x IR Out [3.5mm Stereo Mini-jack] 1x RS-232 [3.81mm Phoenix connector]
<b>Mechanical</b>	
Housing	Metal Enclosure
Color	Black
Dimensions	10mm [W] x 65mm [D] x 25.6mm [H]
Weight	TX : 256g RX: 260g
Power Supply	Input AC100 - 240V 50/60Hz Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	3W (Max)
Operation Temperature	3 - 104°F / 0 - 40°C
Storage temperature	- - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)