

EXFBR

SIMPLIFIED
MFG

HDMI 2.0b (18Gbps) 10,000m Extender over Single Mode Fiber



The EXFBR is a HDMI 2.0b (18Gbps) over single mode fiber cable extender that supports the entire HDMI 2.0b format including all versions of HDR and DolbyVision™. Other features include 10,000m distance at 4K, Bi-Directional IR, RS232, 3.5mm mini jack audio input at the TX and the ability to pass the audio only to the 3.5mm mini jack at the RX, and EDID management.

Features:

- HDMI 2.0b (18Gbps)
- HDR 8/10/10+ & Dolby Vision™ Support
- RS232
- 2-Way IR (kit included)
- Audio insertion/pass-thru
- Supports HBR (High Bit Rate Audio)
- Supports all versions of Multi-Channel Audio
- Extreme long distance 10,000m
- 3-Year Warranty

Specifications:

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18 Gbps
Video Resolutions	up to 4K2K@50/60Hz YUV4:4:4, 4K2K@30Hz, 1080P@120Hz, and 1080P 3D@60Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	10-bit, 12-bit
HDMI Audio Formats (Pass-through)	LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)
Connections	
Inputs	TX: 1x HDMI Type A [19-pin female] 1x IR INPUT [3.5mm Stereo Mini-jack] 1x RS232 [Phoenix jack] 1x Service [Mini-USB jack]
	RX: 1x SFP Module 1x IR INPUT [3.5mm Stereo Mini-jack]
Outputs	TX: 1xHDMI Type A [19-pin female] 1x SFP Module for fiber connection 1x 3.5mm mini jack for IR output
	RX: 1x HDMI Type A [19-pin female] 1x IR OUTPUT [3.5mm Stereo Mini-jack] 1x 3.5mm mini jack [audio] 1 x 3-Pin Phoenix Connector for RS-232
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	134mm/5.28" [W] x 68mm/2.68" [D] x 18mm/0.71" [H]
Weight	TX 280g/9.88oz. RX 278g/9.8oz.
Power Supply	Input: AC100 - 240V 50/60Hz Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	TX 3.85W (max) RX 2.7W (max)
Op. Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)