



Product Overview

MP-DVFB-4K is a mini DVI optical fiber extender for 4K resolution. It supports high-definition DVI/HDMI signals compliant with HDMI 1.4 and transmits up to 3840×2160@30Hz over qualified optical fiber. Manual EDID management helps ensure reliable AV distribution.

KEY FEATURES

- Mini 4K DVI optical fiber extender.
- DVI/HDMI signal support compliant with HDMI 1.4.
- Maximum resolution: 3840×2160@30Hz.
- Transmission distance: ≤300m via OM3 multimode fiber / ≤1km via single-mode fiber.
- Manual EDID capture for reliable display compatibility.
- Audio formats: PCM, Dolby Digital, DTS, DTS-HD.

TECHNICAL SPECIFICATIONS

Model	MP-DVFB-4K
Transmitter Input	1 × DVI
Receiver Input	1 × Optical Fiber
Transmitter Output	1 × Optical Fiber
Receiver Output	1 × HDMI
Connectors	Female DVI-D; LC optical connector
Signal	Digital AV signal compliant with HDMI 1.4
Resolution	640×480@60/70/72/75Hz; 800×600@60/70/72/75Hz; 1024×768@60/70/75Hz; 1280×720@60Hz; 1280×1024@60/75Hz; 1360×768@60Hz; 1440×900@60Hz; 1600×1200@60Hz; 1920×1080@60Hz; 1920×1200@60Hz; 3840×2160@24/25/30Hz
Audio Format	PCM, Dolby Digital, DTS, DTS-HD
HDMI Standard	HDMI 1.4
Transmission Distance	≤1km via single-mode fiber; ≤300m via OM3 multimode fiber
Temperature	0°C to 50°C
Humidity	10% to 90% RH
Power Supply	AC 100–240V, 50/60Hz input; DC 5V 1A output
Power Consumption	≤4.35W
Dimensions (W×H×D)	69.5 × 10.2 × 40 mm (each unit)
Weight	63g (each unit)

INSTALLATION & EDID

Source → TX	Connect the DVI source directly or via a DVI cable.
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TX → RX	Connect the 4K×2K ports using optical fiber.
RX → Display	Connect the receiver to the DVI display/sink.
Power	Use DC 5V 1A adapters for both transmitter and receiver.
EDID	Connect the display to the transmitter and capture EDID using the EDID Reader.
Recommended Fiber	OM3 optical fiber cable for the transmitter–receiver link.

Package: 1 × Transmitter & Receiver set, 2 × DC 5V 1A power adapters, 1 × User Manual.