

4K60 HDMI over Fiber Extender Kit (10km/6.2mi)

Send Full 18Gbps 4K60 4:4:4 HDMI Miles Beyond HDBaseT, with HDR and Lossless Audio Pass-Through over LC Fiber

MPN: EXT-HD4KFIB-10KM



Carries 4K60 4:4:4 HDMI, with HDR and lossless multichannel audio, up to 10km (6.2mi) over a single-mode fiber run, far beyond the reach of copper extenders. The kit pairs a compact metal transmitter and receiver, each with a 10G SFP+ fiber port and a USB-C service port, and includes two 5V/1A power supplies. It is the right choice for campuses, venues and control rooms where distance and signal integrity matter more than KVM or control pass-through.

The transmitter takes one HDMI 2.0b source at up to 18Gbps with HDCP 2.2, any VESA resolution, and HDR10, HDR10+, Dolby Vision and HLG pass-through. Audio passes as LPCM 7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X, and the receiver outputs the same signal to one display. Over multi-mode OM4 fiber, through SFP modules, the same kit reaches up to 300m. Its differentiator is a dedicated point-to-point link: two units and a fiber run, with no network switch in the signal path. Fiber cable is not included.

 10km Single-Mode Fiber	 4K60 4:4:4 Video	 18Gbps HDMI 2.0b	 HDR Dolby Vision & HDR10+	 300m OM4 Multi-Mode
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KEY FEATURES

- Up to 10km (6.2mi) over single-mode LC fiber; 300m over OM4 via SFP modules
- HDMI 2.0b at 18Gbps with HDCP 2.2
- 4K60 4:4:4 up to 4096x2160p60; any VESA resolution
- HDR10, HDR10+, Dolby Vision and HLG pass-through
- LPCM 7.1, Dolby TrueHD/Atmos, DTS-HD MA and DTS:X audio
- 10G SFP+ fiber port with LC connector on each unit
- USB-C SERVICE port on each unit for firmware updates
- Compact metal units, 3.19" × 1.93" × 0.98" and 0.30 lbs each, on 5V/1A supplies

SPECIFICATIONS

Distance	10km (6.2mi) single-mode / 300m OM4 multi-mode
Video	HDMI 2.0b, 18Gbps, HDCP 2.2
Resolution	Up to 4096x2160p60 4:4:4; any VESA
HDR	HDR10, HDR10+, Dolby Vision, HLG
Audio	LPCM 7.1, Dolby TrueHD/Atmos, DTS-HD MA, DTS:X
Fiber Port	10G SFP+, LC female
Video Ports	TX: HDMI IN; RX: HDMI OUT (Type A)
Service Port	USB-C on each unit (firmware update)
Power	DC 5V/1A; TX 3.05W max, RX 2.25W max
Dimensions	3.19" × 1.93" × 0.98" (81 × 49 × 25mm) each
Weight	0.30 lbs (138g) each
Operating Temp	32°F-104°F (0°C-40°C)
Package Contents	1x 4K60 HDMI over Fiber Extender (Transmitter) • 1x 4K60 HDMI over Fiber Extender (Receiver) • 2x 5V/1A power supply

APPLICATIONS

 Campus AV Links buildings up to 10km	 Stadiums and Arenas Venue-wide video over fiber	 Houses of Worship Feeds overflow and broadcast rooms	 Broadcast Rooms 4:4:4 feeds with HDR pass-through	 Medical Suites Imaging to remote review displays
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