

4K 18Gbps HDMI Active Optical Cable – CE/FCC/RoHS Compliant

XTENDEX®

Extend a 4Kx2K 60Hz 4:4:4 HDMI display up to 100 meters (328 feet)

- High speed and long distance transmission by optical system up to 100 meters (328 feet).
 - Hybrid cable containing both fiber optic and copper cores.
- Supports Ultra-HD 4Kx2K resolutions to 4096x2160 (60Hz), 2K resolution 2048x1080, HDTV resolutions to 1080p, and computer resolutions to 1920x1200.
- No loss of signal – delivering crystal clear digital images instantly.
- HDCP 2.2 compliant.
- No external power required.
- HDMI features supported:
 - HDMI 2.0
 - YUV 4:4:4
 - Dolby TrueHD, DTS-HD Master Audio, Dolby Digital, and DTS
 - Bandwidth: 6Gbps per channel (18Gbps total)
 - Supports ARC, HEC and CEC.
 - 3D
 - Lip Sync
- Optical fibers immune to signal noise.
- Supports Plug-n-Play specification.
- EDID learning for the support of any HDMI display device.
- Thin and ultra-lightweight construction.
- Ideal solution for many applications, including:
 - Digital Signage
 - Medical Imaging Equipment
 - Airplane On-board Video System
 - Home Theater
 - TV Broadcast Station
 - Conference Room Video Equipment



XTENDEX® HD4K18GB-FO-xxM-MM



- **Extend Ultra-HD 4Kx2K 60Hz 4:4:4 to 100 meters**
- **HDCP 2.2**
- **No power supply required**

The XTENDEX® 4K HDMI Active Optical Cable locates an Ultra-HD 4Kx2K 60Hz 4:4:4 HDMI display up to 100 meters (328 feet) from a video source. Using optical fiber, the HD4K18GB-FO-xxM-MM provides high reliability HDMI signal transmission with zero signal loss in high noise environments.

Specifications

- Connectors: Male HDMI Type A connectors.
- Resolutions: supports resolutions up to Ultra-HD 4Kx2K 4:4:4 (4096x2160@60Hz).
- Supports HDCP 2.2/1.4
- Frame rate: 60fps
- Video bandwidth: 6Gbps per channel (18Gbps total)
- Cable Diameter: 0.186 in (4.72mm)
- Connector Width: 0.78 in (19.74mm)
- Bend radius: up to 48mm (1.89 in)
- Cable construction: 4 fiber cores and 7 copper conductors
- Cable jacket: PVC
- Available lengths: 10/15/20/25/30/50/70/100 meters

Power

- +5V passive power, supplied through pin 18 on the HDMI connection from the source device.
 - The +5V connection, as well as powering the internal fiber optic module, is carried through to the other sink via a full standard copper connection.
 - Source device must be capable of delivering more than 500mA.

Environmental

- Operating temperature: 14 to 122°F (-10 to 50°C)
- Storage temperature: -4 to 140°F (-20 to 60°C).
- Operating and storage humidity: 10% to 80% non-condensing RH.

Regulatory Approvals

- CE, FCC, RoHS

Warranty

- Two years

Compatible NTI Products

- Combine NTI's extenders, switches, splitters and cables for complex applications.
 - 4K 18Gbps Mini DisplayPort Male to HDMI Female Adapter Cable (DPMM-HD4K18GBF)