

# Low-Cost 8K 32.4Gbps DisplayPort 1.4 Active Optical Cable

XTENDEX®

## Extend an Ultra-HD 8K 4320p 60Hz DisplayPort monitor 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 resolutions up to Ultra-HD 8K (7680x4320) @60Hz, 4Kx2K (4096x2160 and 3840x2160) @120Hz, and HDTV 1080p @240Hz.
- No loss of signal – delivering crystal clear digital images instantly.
- No external power required.
- DisplayPort features supported:
  - DisplayPort 1.4
  - Up to 16-bit Color and 48-bit Deep Color
  - YCbCr 4:4:4, YCbCr 4:2:2, and RGB
  - LPCM
  - Bandwidth up to 32.4Gbps
- HDCP 2.2 compliant.
- Optical fiber immune to signal noise.
- Low RFI/EMI for sensitive applications.
- Supports Plug-n-Play specification.
- EDID learning for the support of any DisplayPort 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
- These cables are directional. See labeled connector ends.



**XTENDEX® DP8K-FO-xxM-MMLC**

- **Extend Ultra-HD 8K 4320p 60Hz to 100 meters**
- **32Gbps bandwidth**
- **HDCP 2.2**

The XTENDEX® Low-Cost 8K DisplayPort Active Optical Cable locates an Ultra-HD 8K 4320p 60Hz DisplayPort monitor up to 100 meters (328 feet) from a video source. Using optical fiber, the DP8K-FO-xxM-MMLC provides high reliability DisplayPort signal transmission with zero signal loss in high noise environments.

## Specifications

- Connectors: Male DisplayPort connectors.
  - These cables are directional. See labeled connector ends.
- Resolutions: supports resolutions up to Ultra-HD 8K (7680x4320) @60Hz, 4Kx2K (4096x2160 and 3840x2160) @120Hz, and HDTV 1080p @240Hz.
- Supports HDCP 2.2.
- Video bandwidth: 32.4Gbps
- Cable Diameter: 5.2mm (0.20 in)
- Connector Width: 22mm (0.87 in)
- Bend Radius: up to 20mm (0.78 in)
- Available lengths: 10/15/20/25/30/50/70/100 meters

### Environmental

- Operating temperature: -40 to 158°F (-40 to 70°C).

### Regulatory Approval

- RoHS

### Warranty

- Two years