



PXLGLASS™ 8 - Hybrid Optical Fiber/Copper HDMI® Interconnect (Ultra High Speed HDMI® Cable) is the industry's first active long-reach THX® Certified 8K Interconnect, capable of extending up to full-bandwidth 8K60, perfect for larger or more expansive home theatres. PXLGLASS 8 is HDMI Certified supporting all of the new HDMI 2.1 features.

Using premium four-core OC3 glass fibers, PXLGLASS 8 carries the 48Gbps (12G per/fiber) high-speed FRL signals downstream to the 8K display while exchanging critical low-speed communication (HDCP 2.3, eARC, CEC etc.) over copper-based wires. This hybrid optical fiber/copper approach guarantees the highest standard of interoperability, robustness, and overall reliability for all 8K applications.

DESIGN SPECIFICATIONS

- Available in **7.6m/25ft**, **10m/33ft** & **15m/49ft** lengths (Directional Cable, labelled 'Source' & 'Display')
- THX® Certified 8K Interconnect
- Ultra High Speed HDMI® Cable Certified
- **Video:** Up to 8K-10K BT.2020 formats (Bandwidth/Format Comparison on back page)
- **HDR:** Dynamic (and Static) HDR, HDR10, HDR10+, Dolby Vision, SBTM (Source-Based Tone Mapping)
- **Audio:** eARC (Enhanced Audio Return Channel), Dolby Atmos, Dolby TrueHD, DTS:X, DTS Master
- **Control Features:** CEC (Consumer Electronics Control), HEC (HDMI Ethernet Channel)
- **HDCP** (High-bandwidth Digital Content Protection): HDCP 2.2/2.3 (backwards compatible HDCP 1.4)
- **Gaming:** VRR (Variable Refresh Rate), ALLM (Auto Low Latency Mode), QFT (Quick Frame Transport) QMS (Quick Media Switching)

MECHANICAL / CONSTRUCTION

- **Optical fiber** (OC3): High-speed FRL Signalling
- **Copper** (28-32AWG): DC (+5V) & Low-speed DDC (HDCP), CEC and HEAC
- Cable Diameter: 7.6m/10m(6mm), 15m(7mm)
- HDMI Plugs: Gold-plated
- HDMI Casing: Zinc Alloy
- Retention Force (max): 3kg/6.6lbs
- Bend Radius: 30mm/1.2 inches

POWER / REGULATORY COMPLIANCE

- Power: 5VDC | 50mA (via HDMI Cable Power)
- EMI/EMC/Safety: CE, UL
- Environmental: RoHS, WEEE, Pb-free
- Fire Rating NEC: CL2 (In-Wall Rated)
- Ordering Information:
7.60m/25ft: **PXL8-HFC75**
10.0m/33ft: **PXL8-HFC10**
15.0m/49ft: **PXL8-HFC15**



ENGINEERED FOR MAXIMUM REACH USING HYBRID INTERCONNECT (FIBER/COPPER)



BANDWIDTH / AV FORMAT COMPARISON (UNCOMPRESSED)

FRL6 (48Gbps)	8K60 4:2:0 12-bit, 8K30 4:4:4 12-bit
	4K120 4:4:4 12-bit
FRL5 (40Gbps)	10K60 4:2:0 8-bit, 10K30 4:2:2 8/12-bit, 10K30 4:4:4 8-bit
	8K60 4:2:0 10-bit, 8K30 4:4:4 10-bit
	5K120 4:2:2 8/12-bit, 5K120 4:4:4 8-bit
	4K120 4:4:4 10-bit
FRL4 (32Gbps)	10K30 4:2:0 10/12-bit
	8K60 4:2:0 8-bit, 8K30 4:2:2 8/12-bit, 8K30 4:4:4 8-bit
	5K120 4:2:0 10/12-bit, 5K60 4:4:4 10/12-bit
	4K120 4:4:4 8-bit, 4K120 4:2:2 8/12-bit
FRL3 (24Gbps)	10K30 4:2:0 8-bit
	8K30 4:2:0 10/12-bit
	5K120 4:2:0 8-bit, 5K60 4:2:2 8/12-bit, 5K60 4:4:4 8-bit
	4K120 4:2:0 10/12-bit, 4K120 4:2:0 10/12-bit
FRL2 (18Gbps)	8K30 4:2:0 8-bit
	5K60 4:2:0 8/12-bit, 5K30 4:2:2 8/12-bit, 5K30 4:4:4 8/12-bit
	4K120 4:2:0 8-bit, 4K60 4:2:0 10/12-bit, 4K60 4:2:2 8/12-bit, 4K60 4:4:4 8/12-bit, 4K30 4:4:4 10/12-bit
	1080p120 4:4:4 10/12-bit
FRL1 (9Gbps)	4K60 4:2:0 8-bit, 4K30 4:2:2 8/12-bit, 4K30 4:4:4 8-bit
	1080p120 4:2:2 8/12bit, 1080p120 4:4:4 8-bit

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