

Overview



Introducing PXLGLASS™, a long-reach full bandwidth Ultra HD interconnect solution capable of delivering 100% uncompressed 4K signals up to 50m. Using a unique copper/fiber hybrid cable implementation, PXLGLASS™ utilizes optical fibers to carry high-speed TMDS signals while exchanging critical low-speed communication signals such as HDCP 2.2 and CEC 2.0 over copper based wires. This hybrid cabling approach to long-reach Ultra HD connectivity guarantees the highest standard of robustness, reliability and interoperability.

PXLGLASS™ Features

- 18Gbps (4K60 8-bit 4:4:4) Ultra HD extension up to 50m
- Dolby Vision High Dynamic Range compatible (4K60 12-bit 4:2:2 - 18Gbps)
- HDR10, HDR10+ & HLG compatible (4K60 10-bit 4:2:0 - 11.1Gbps)
- ARC, CEC 2.0 supported & HDCP 2.2/1.4 compatible
- Plug and Play
- No external power required
- Ultra thin cable diameter (OD 4.5mm), with an allowable bend radius down to 20mm
- Pull strength of 30 kilograms

PXLGLASS™ Hybrid Fiber/Copper Interconnect

Available in 20m, 30m & 50m lengths to achieve full 4K (18Gbps) functionality

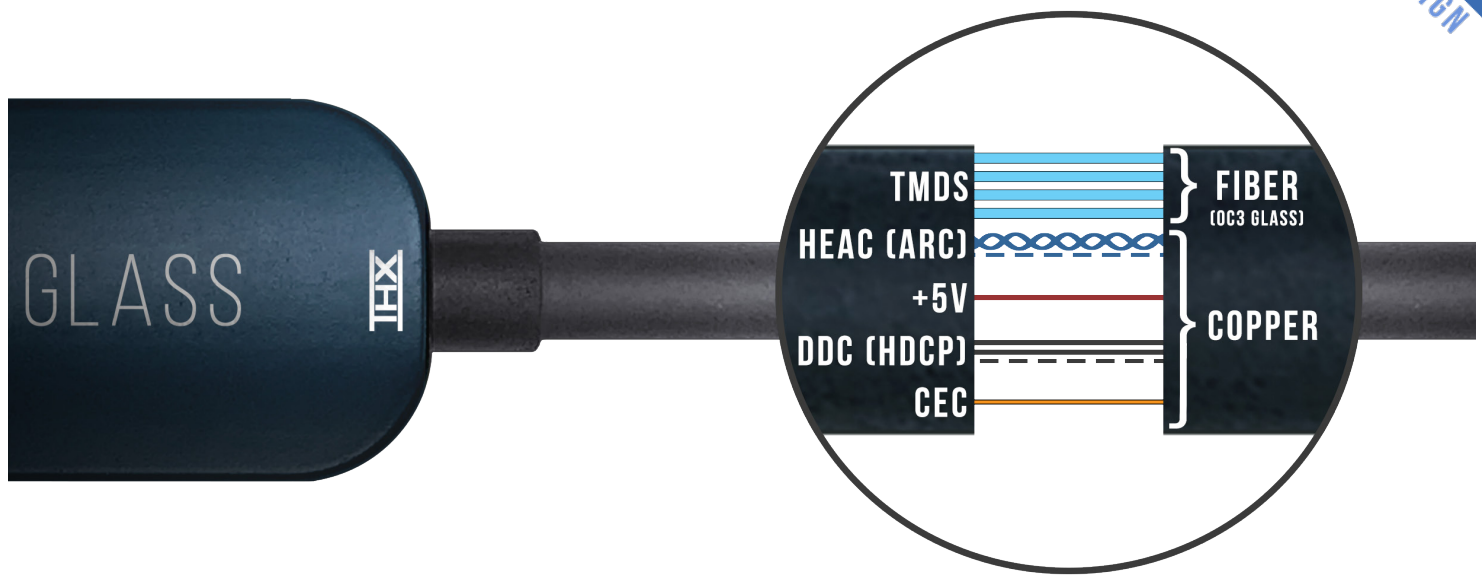


Pixelgen™ Application Comparison

Available in lengths up to 50m to achieve full 4K (18Gbps) functionality

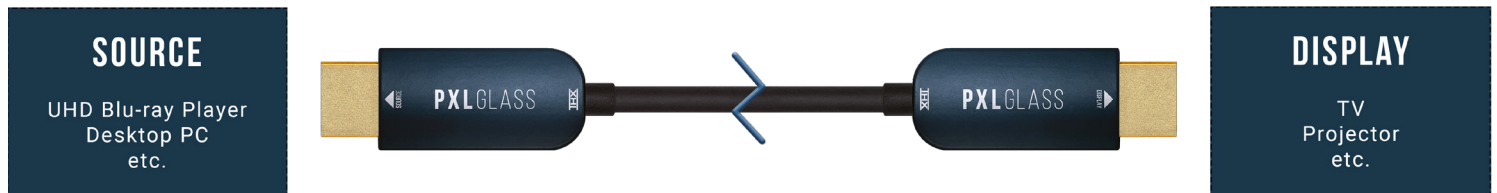


Engineered for Maximum Capability using Hybrid Interconnect



PXLGLASS™ Connections

- Video Source Connection: (1) Ultra HD Connector – Male 19 pin (Ultra HD 2.0b, HDCP 2.2, ARC)
- Video Display Connection: (1) Ultra HD Connector – Male 19 pin (Ultra HD 2.0b, HDCP 2.2, ARC)



Video/Audio

- THX® Certified 4K Interconnect
- Maximum TMDS Data Rate: 18Gbps/6Gbps per CH (4K60 8bit 4:4:4)
- Resolution Range: 480i, 576i, 1080i, 480p, 576p, 720p, 1080p, 1440p, 4Kx2K

Environmental & Regulatory Compliance

- Safety: CE
- EMI/EMC: CE
- Environmental: RoHS, WEEE
- ESD Rating: 8kV contact (IEC 61000-4-2 Level 2)

Operating Specs

- Operating Temperature: 0°C ~ 70°C
- Storage Temperature: -20°C ~ 70°C
- Operating Humidity: 10% ~ 90%, RH, non-condensing

Ordering Information

- PXL-HFC20: 20m Max 4K Hybrid Interconnect
- PXL-HFC30: 30m Max 4K Hybrid Interconnect
- PXL-HFC50: 50m Max 4K Hybrid Interconnect