

PIXELGENDESIGN

PXLDRIIVE™

Max 4K Extender for 18G UHD



Overview

PXLDRIIVE™ Max 4K Extender for 18G UHD (placed at the display end of an HDMI® link) is used to revive uncompressed HDMI® signals up to the maximum 18Gbps bitrate over new or pre-existing passive long reach HDMI® cables.

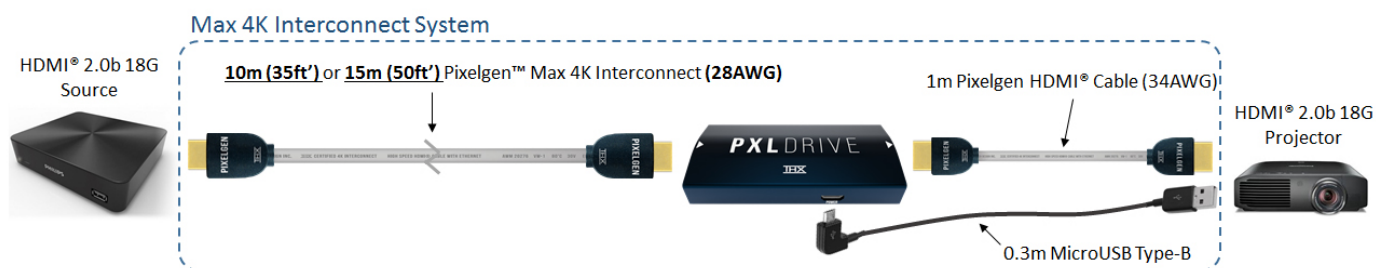
The THX® Certified 4K Interconnect designation is only applied when using a long reach, thin and lightweight 10m or 15m Pixelgen™ Max 4K Interconnect cable, connected to the input of PXLDRIIVE™ through to a 1m thin/flexible HDMI® cable to the display. Power is conveniently delivered to the PXLDRIIVE™ unit via display's USB port.

Features

- Full-bandwidth 18Gbps (4K60 8-bit 4:4:4) HDMI® extension up to 15m using Pixelgen™ Max 4K Interconnect
- Full-bandwidth 18Gbps (4K60 8-bit 4:4:4) HDMI® extension up to 10m using a pre-existing HDMI® cable
- HDR 4K60 10-bit 4:2:0 (11.1Gbps) compatible
- WCG 4K60 12-bit 4:2:0 (13.4Gbps) compatible
- ARC & CEC 2.0 supported
- HDCP 2.2 & 1.4 compatible
- Plug and Play (no external tuning required)
- Powered by HDMI® display using any available USB port
- Auto-adaptive cable equalization ideal for retrofitting applications where length/type unknown
- 3M Dual Lock Low Profile™ re-closable fastener included for convenient installation

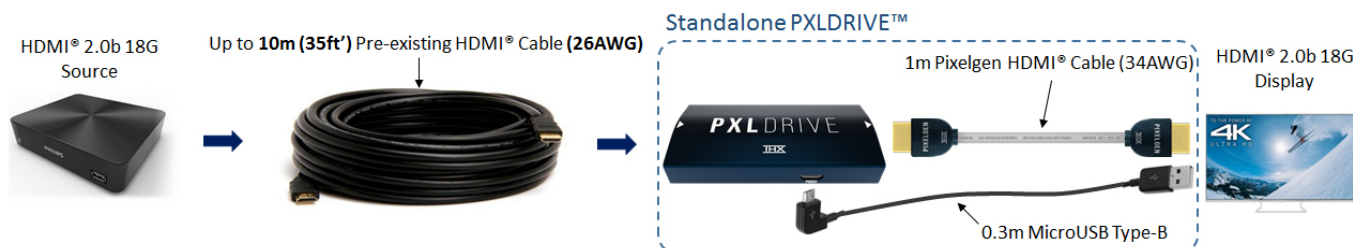
Application – New Installation using Max 4K Interconnect System

(THX® Certified 4K Interconnect)

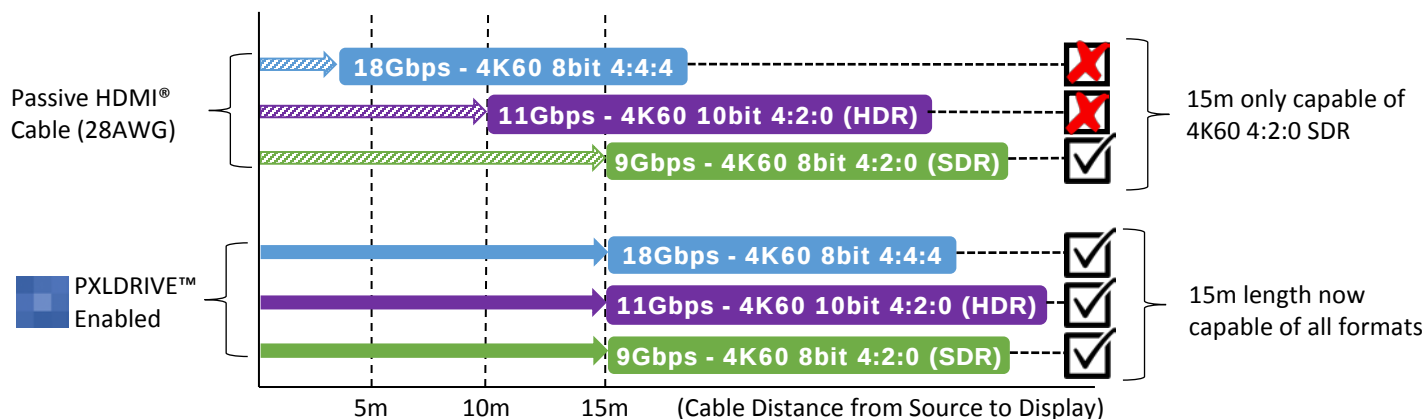


Application – Retrofit Installation

(18G/4K60 4:4:4 upgrade possible if pre-existing cable works at 10.2G/4K30)



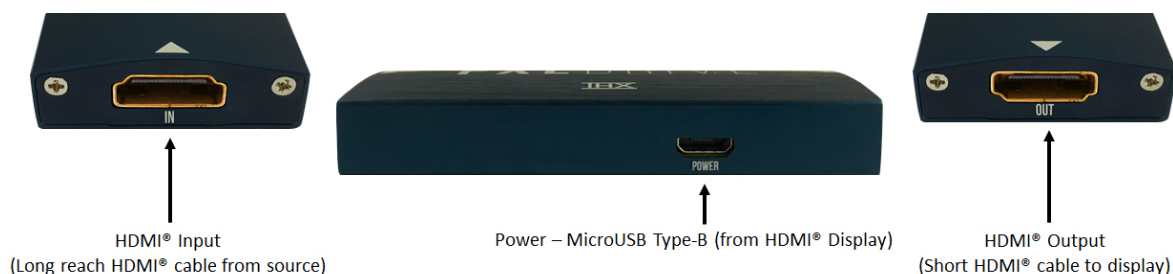
PXLDRITM Cable Reach Estimates



NOTE: All estimates based on live testing using UltraHD Blu-ray Player (Samsung K8500) and 4K HDR TV (LG 43UH6100)

PXLDRITM Connections

- Video Input Connection: (1) HDMI® Connector – Female 19 pin (HDMI® 2.0, HDCP 2.2, ARC)
- Video Output Connection: (1) HDMI® Connector – Female 19 pin (HDMI® 2.0, HDCP 2.2, ARC)
- USB 2.0 Power Connection: (1) MicroUSB Type-B – Female



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, UL
- EMI/EMC: CE, FCC Class B – Section 15
- Environmental: RoHS, WEEE
- ESD Rating: 8kV contact (IEC 61000-4-2 Level 2)
- CMG Rated

Power Consumption & Operating Specs

- 2.5W via 5V/0.5A USB Supply
- Operating Temperature: 0°C ~ 70°C
- Storage Temperature: -20°C ~ 70°C
- Operating Humidity: 10% ~ 90%, RH, non-condensing

Ordering Information

- PXL-DRV10-01: 10m Max 4K Interconnect System
- PXL-DRV15-01: 15m Max 4K Interconnect System
- PXL-DRV-01: Standalone PXLDRITM (retrofit)

Max 4K Interconnect System includes; Max 4K Interconnect (10 or 15m), PXLDRITM, 1m HDMI® cable & 0.3m USB cable

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