

DisplayPort 1.2 Over Fiber Extender

Ref. EXT-DP12-OPT

DisplayPort 1.2 over optical fiber extender for long range signal management



4K60
4:4:4

HFR
up to
144Hz

DP
1.2

Up to
200m
(655 ft.)

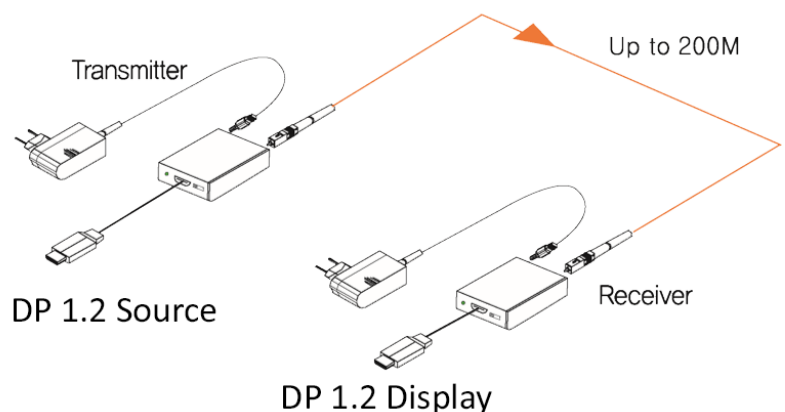
FIBER
OPTICAL
1 ch.

Overview

The EXT-DP12-OPT is a DisplayPort 1.2 fiber optical extender (transmitter and receiver kit) providing DisplayPort uncompressed signal extension to a range of 200 m (655 ft.) over one single SC multi-mode fiber. The EXT-DP12-OPT extender supports real 4K UHD (3840x2160 or 4096x2160@60Hz) resolution and a video bandwidth up to 21.6 Gbps. Its compact design makes it ideal to fit in various installation environments or live events.

Key features

- ▶ Compatible with DisplayPort 1.2 standards
- ▶ Up to 200m (655 ft.) over one SC multimode fiber (OM3)
- ▶ Uncompressed video up to 21.6 Gbps
- ▶ Support formats up to 4K@60Hz 4:4:4
- ▶ High Frame Rate up to 2560x1440@144Hz 4:4:4 8bits
- ▶ Compatible with DPCD (DisplayPort Configuration Data)
- ▶ Compatible with HDCP 2.2
- ▶ Compatible with EDID standards for carrying HDR signals
- ▶ Compact design
- ▶ Status LED for easy troubleshooting
- ▶ Plug-and-play operation (no software required)
- ▶ Supports up to 8 embedded audio channels
- ▶ No additional latency
- ▶ External 5V DC power adaptors provided



Enclosure dimensions (transmitter or receiver)
▶ W 3.19" x H 1.87" x D 0.83"
▶ W 81.2 mm x H 47.5 mm x D 21.1 mm

Weight
▶ 136g / 0.30lbs

Operating conditions
▶ Temperature: 0 to 50°C (32 to 122°F)

Power consumption
▶ 1.75 W (transmitter)
▶ 2.00 W (receiver)

Warranty
▶ 1-year warranty on parts and labor back to factory - Broken connectors are not covered by warranty

CE-EMC compliance
▶ Complies with the standard EN60601-2:2007 + AC:2010, EN55011:2015, EN61000-3-2:2014 and EN61000-3-3:2013, EN55022:2010 + AC:2011, EN55024:2010

FCC compliance
▶ Complies with FCC 47CFR part 2 and part 15

Eye Safety
▶ Complies with IEC 60825-1:2007 (2nd Ed.)
▶ Classification: Class 3R

RoHS
▶ Complies with Directive EU 2015/863 (RoHS3)



 Specifications subject to change without prior notice

EXT-DP12-OPT-EN-02/10/2021