



## Optical HDMI® Extender

The Nice/Gefen HDMI 2.1 Optical Fiber Extender complies with HDMI 2.1 standard and supports real 8K/4K UHD resolution. Transmit high quality 8K/4K resolution up to 100 meters (330 ft) using multi-mode optical fiber (with MPO/MTP connectors) without any video signal loss.

### FEATURES

- High-speed & long-distance transmission by optical fiber
- Compatible with HDMI standard v2.1
- Supports OM3 (or OM4) fiber with 8 core MPO/MTP connectors
- I2C Data and Hot Plug Detection signal is transmitted by optical fiber
- CEC control, EDID, and HDCP 2.3 premium content protection
- Support for static & dynamic HDR, allowing for extended dynamic range and wide color gamut support
- Supports VRR (Variable Refresh Rate)
- EMI & Safety: CE, FCC
- Optical Source: VCSEL Laser
- O/E Converter: PIN Photo Diode
- Using Fiber: 8-core (or 12-core) MPO/MTP fiber optical cable (OM3, 50/125 μm, Polarity type A)

### SPECIFICATIONS

SIGNAL SUPPORT	HDMI v2.1
VIDEO BANDWIDTH	48.0 Gbps
TMDS CLOCK	5940 Mhz
SUPPORTING RESOLUTION	8K/4K UHD (Up to 7680x4320)
DISTANCE	Up to 100 meters (330ft)
CONNECTOR/FIBER	HDMI 19 Pin (male) / MPO/MTP
AUDIO SUPPORT	Up to 8 Channel PCM, DTS Master, DTS:X, Dolby TrueHD, Dolby Atmos
POWER CONSUMPTION	0.75W (typ) ~ 0.95W (typ)
DIMENSION	300 x 16 x 31 (mm)
TEMPERATURE RANGE	Operating: -20°C ~ 70°C Storage: 0°C ~ 50°C

#### GF-HD48G-1MPO PACKAGE CONTENTS:

- 2pc x 5V/2A DC Power Supply (Interchangeable Connectors: US, UK, AU, EU)
- Optical HDMI Extender Transmitter
- Optical HDMI Extender Receiver
- Quick-Start Guide

