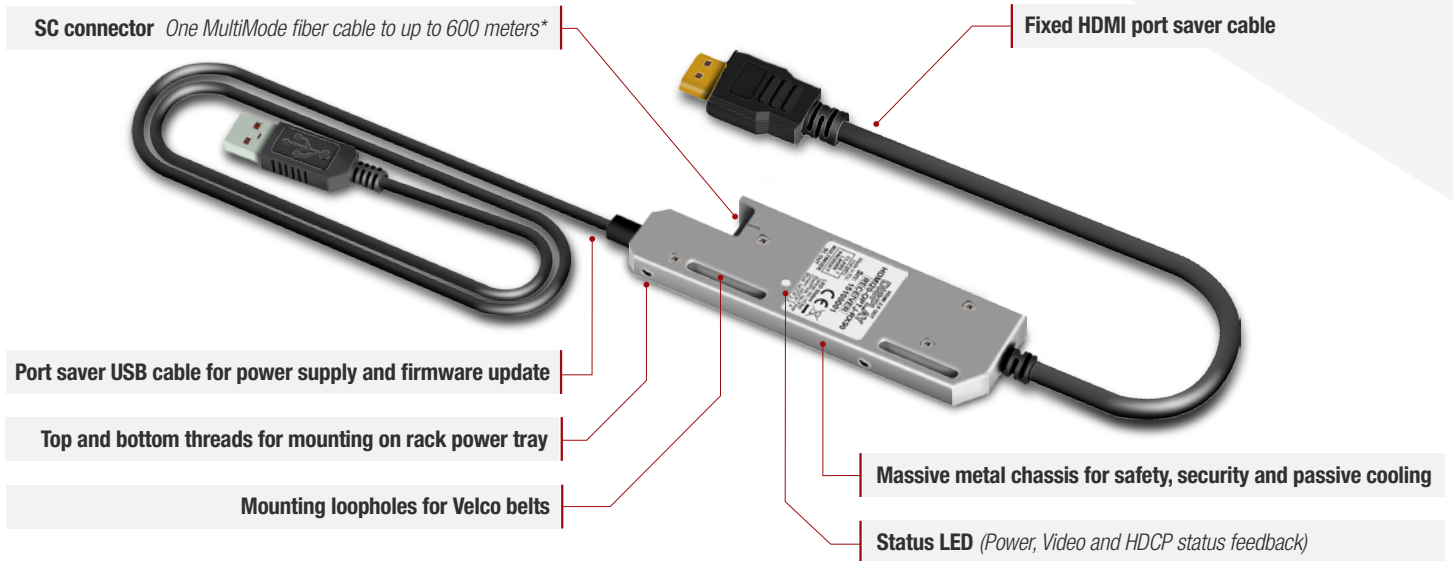


HDMI20-OPTJ-TX90 and HDMI20-OPTJ-RX90



The HDMI20-OPTJ-TX90 and HDMI20-OPTJ-RX90 are HDMI 2.0 compatible optical fiber extenders. These units transfer uncompressed HDMI 2.0 class signals with embedded audio to up to 600* m distance, over one MultiMode fiber cable. Embedded HDMI audio signals include Dolby TrueHD and DTS-HD Master Audio.

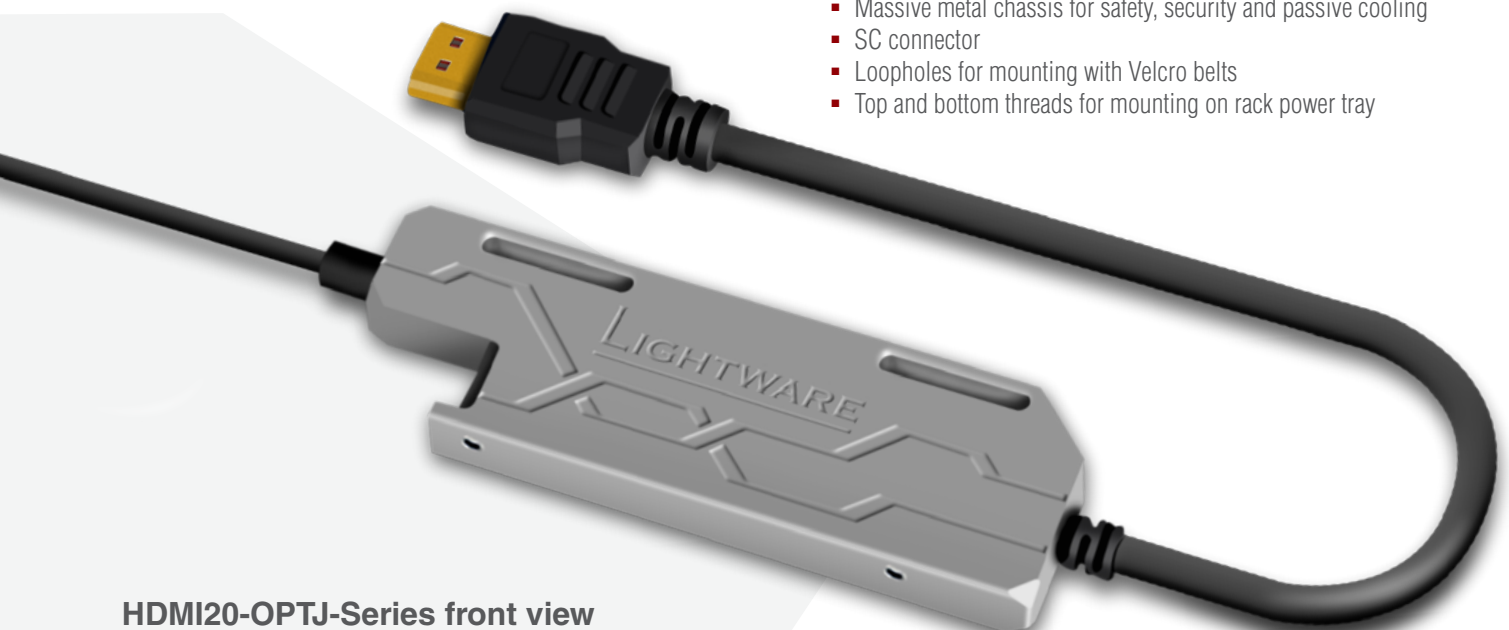
The maximum resolution is based on the HDMI 2.0 standard: extending uncompressed signals of 4K@60Hz with RGB 4:4:4 colorspace, 36 bit deep color and HDCP 2.2.

These devices have massive, solid aluminum casings, providing excellent cooling, safety, and maximum reliability. There are loops in the chassis for Velcro belts, to fasten the extender to basically anywhere. The device has an SC optical connector.

* specifications are subject to change

Highlight Features

- Resolutions up to 4K@60Hz with RGB 4:4:4 colorspace
- 18 Gbps bandwidth
- HDMI 2.0, HDMI 1.x and DVI 1.0 compliant
- HDCP 2.2, HDCP 1.4 compliant and CEC, EDID transparent
- 36-bit deep color support
- 3D signal compatibility with frame packing, side-by-side and top-bottom formats
- Zero frame delay – no latency
- No compression
- One MultiMode fiber cable to up to 600 m distance*
- Supports all HDMI audio formats: Dolby TrueHD and DTS-HD Master Audio
- Status LED
- Plug & Play
- Massive metal chassis for safety, security and passive cooling
- SC connector
- Loopholes for mounting with Velcro belts
- Top and bottom threads for mounting on rack power tray



HDMI20-OPTJ-Series front view

Specifications

Data rate:	18 Gbps (6 Gbps per color)
Resolution:	Up to 4K@60Hz with RGB 4:4:4 colorspace
Video delay:	0 frames
HDCP 2.2 and 1.4 pass through:	Yes
EDID emulation:	Transparent EDID
HDR Modes:	HDR 10, HDR 12 and Dolby Vision
RS-232 pass through:	No
Micro-USB B cable:	Power Feed and Firmware Upgrade
Cooling:	Passive
Power consumption TX (1080p60 / 4K60):	1,5 W / 2W
Power consumption RX (1080p60 / 4K60):	0,8 W / 1W
Operating temperature:	0 to +50°C (+32 to +122°F)
Storage temperature:	-40 to +85°C (-38 to +185°F)
Operating humidity:	10% to 90%, non condensing
Material:	Aluminium
Enclosure dimension:	110,5 W x 35,5 D x 11x4 H (mm)
Weight:	130 g
Rack mountable:	Yes, with 1U high rack shelf
Length of pigtail HDMI cable:	270 mm
Length of pigtail USB cable:	1000 mm
Warranty:	3 years

Fiber Optical Port

Connector type:	SC simplex receptacle
Laser wavelengths:	HSL: 780, 800, 825, 850 nm; LSL: 910, 980 nm
Laser class specification:	Class 1 (if enclosure removed: Class 3R)
Compliance:	IEC/EN 60825-1:2014-05 Ed. 3.0 21CFR Subchapter J Parts 1040.40 and 1040.11

HDMI Port

Connector type:	19-pole HDMI Type A plug
Standard:	DVI 1.0, HDMI 1.4, HDMI 2.0
Color space:	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Maximum resolution:	3840x2160@60 Hz 36 bit deep color support
HDCP compliancy:	HDCP 1.4 and HDCP 2.2

Power

Power supply (TX):	External power adaptor / USB / HDMI
Power supply (RX):	External power adaptor / USB
Power adaptor:	In: 100-240 V AC 50/60 Hz Out: 5V DC, 1 A
Power connector:	USB-A plug

User Interface

Status LED:	Power, Video and HDCP Status feedback
-------------	---------------------------------------

* specifications are subject to change