

# FiberX Series

## FX-P355 | HDMI 2.0 Optical Extender



### DESCRIPTION

The FiberX HDMI 2.0 Optical Pigtail Extender FX-P355 transmits uncompressed audio and video signals up to 1000m distance, over a single SC MultiMode fiber cable.

This compact extender is designed for professional applications - it handles full 18 Gbps bandwidth with supreme 24/7 reliability while providing simple plug and play usability.

The FX-P355 supports CEC, transparent EDID and HDCP as well as zero frame delay, no latency, no compression. The end user experience is that of a short high quality copper cable. Connect and perform.

### FEATURES AND PERFORMANCE

- Single optical fiber transmission at full 18 Gbps bandwidth
- Resolutions up to 4K@60Hz 4:4:4 incl. HDR 10, HDR 12 and Dolby Vision
- HDMI 2.0, HDMI 1.x and DVI 1.0 compliant
- HDCP 2.2, HDCP 1.4 compliant
- Supports CEC and transparent EDID
- Zero frame delay, no latency, no compression
- Single MultiMode fiber cable to up to 1.000m via SC Connector
- Supports all HDMI audio formats incl. Dolby TrueHD and DTS-HD Master Audio
- Easy Plug & Play installation
- Status LED for simple trouble shooting
- Metal housing for optimized EMI protection and cooling
- Ultra-Lock™ HDMI Connector

### APPLICATION

#### INPUT

- Graphic Cards
- Gaming Devices
- Blu-ray
- DVR
- Computer
- Set-top Box

← Plug & Play connection up to 1.000 meters. →



#### OUTPUT

- TV
- Monitor
- Projector

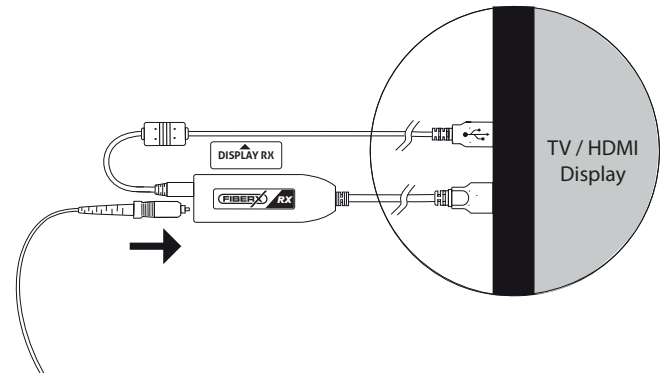
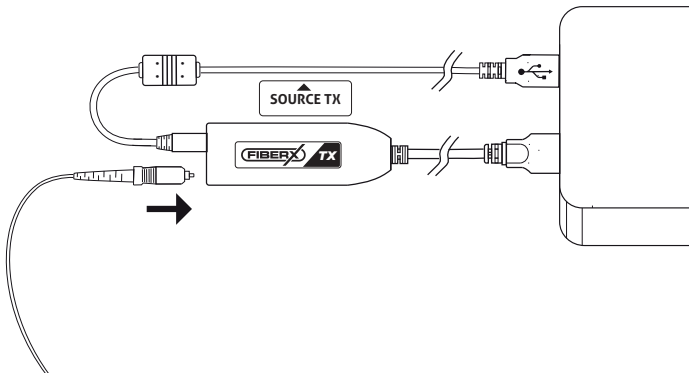


### DETAILED TECHNICAL SPECIFICATION | TRANSMITTER / RECEIVER

Audio, Video & Optical	
TX input	1 x HDMI locking male 1 x USB (power & firmware)
TX output	1 x OPTICAL (SC)
RX input	1 x OPTICAL (SC) 1 x USB (power & firmware)
RX output	1 x HDMI locking male
HDMI standard	HDMI2.0, HDCP2.2, HDR 10, HDR 12 and Dolby Vision incl. RGB, YCbCr 4:4:4, CEC, EDID
Bandwidth	18Gbps (6 Gbps / colour)
Resolution	Up to 4K / UltraHD / 20160p (4096x2160) @60Hz, 4:4:4
Supported audio	Up to Dolby Atmos / DTS HD Master Audio
Transmission mode	Optical multimode fiber
Laser wavelength	HSL: 780, 800, 825, 850 nm; LSL: 910, 980 nm
Status LED	Power, video and HDCP status

General	
Transmission distance	Up to 1.000 m
Operation / storage Temperature	-0~50°C / -40~85°C
Humidity	10% ~ 90% RH
Power supply	TX micro USB 5V1A or HDMI RX micro USB 5V1A
Power consumption	TX 1.5 / 2.0 W (max) RX 0.8 / 1.0 W (max)
Dimensions (W*H*D)	362mm x 11.5mm x 30.3mm Housing 88.2mm x 11.5mm x 30.3mm
Net weight (g)	127g
Certification	CE, FCC, REACH, ROHS

### CONNECTION STEPS



Cable	Link Status
Off	Module end has no power
Red - steady / flashing	Module detects open fiber connection and has disabled the lasers
Yellow	Fiber link detected but link initialization failed
Green - flashing	Link functional with no HDCP video
Green - steady	Link functional with HDCP 1.x video
Blue	Link functional with HDCP 2.x video
Pink	Module detects open fiber connection and has disabled the lasers and USB is connected and ready for firmware update

Pre-assembled SC Multi-Mode Fiber Optic Cable			
<ul style="list-style-type: none"> <li>Both sides pre-assembled with SC connectors in Germany</li> <li>100% tested for professional AV applications</li> <li>Halogen-free and flame-retardant polyurethane</li> </ul>			
FX-SC-005	5.00m	FX-SC-060	60.00m
FX-SC-010	10.00m	FX-SC-065	65.00m
FX-SC-015	15.00m	FX-SC-070	70.00m
FX-SC-020	20.00m	FX-SC-075	75.00m
FX-SC-025	25.00m	FX-SC-080	80.00m
FX-SC-030	30.00m	FX-SC-085	85.00m
FX-SC-035	35.00m	FX-SC-090	90.00m
FX-SC-040	40.00m	FX-SC-095	95.00m
FX-SC-045	45.00m	FX-SC-100	100.00m
FX-SC-050	50.00m	Special assembly on request	
FX-SC-055	55.00m		

### PRODUCT OVERVIEW

Part Number	Color	Length	EAN	Weight	Quantity (PU)	Weight (PU)	Size (PU)
FX-P355	black	-	425136471213	0.13 kg	10 pcs	4.2 kg	40 x 15 x 5 cm