

CAMPLEX®

BROADCAST FIBER OPTIC SOLUTIONS

USER MANUAL

Complex CMX-HDMI-SFPL HDMI over Fiber SFP Extender SFP-Based Transmission System



FEATURES

- Transmission Up to 10km over Single Mode Fiber
- Single Fiber Simplex Operation
- Video Resolutions up to 4K2K@50/60Hz (YUV 4:4:4)
- EDID Management
- HDMI Loop Out
- Audio Embedding on Tx, Audio Extraction on Rx
- Bi-Directional Infrared Control
- LED Indicators for Power, Optical, & HDMI
- Locking Power Adapters
- CE, RoHS Certified

INCLUDES

- CMX-HDMI-SFPL Extender Set (1 Transmitter / 1 Receiver)
- Two 5VDC/2A Power Supplies
- Two SFP Modules
- Two Pair IR Blasters
- Two RS232 Connectors



CMX-HDMI-SFPL TRANSMITTER

Front



- 1 System Power LED Indicator
- 2 Optical Link LED Indicator
- 3 HDMI Signal LED Indicator
- 4 IR In
- 5 IR Out
- 6 Audio Source Selector (*HDMI or LINK*)
- 7 EDID Management*
- 8 Factory Use Only

* EDID DIP Switch Settings

Switch Setting	Function
11	Copy from Rx HDMI Output
10	Copy from Tx HDMI Loop Output
01	4K@60Hz, 2CH Audio
00	1080p@60Hz, 2CH Audio

Switch up = 1
Switch down = 0

Rear



- 1 Power Supply Input
- 2 Optical - SFP Port
- 3 HDMI Out
- 4 HDMI In
- 5 Link In
- 6 RS-232

CMX-HDMI-SFPL RECEIVER

Front



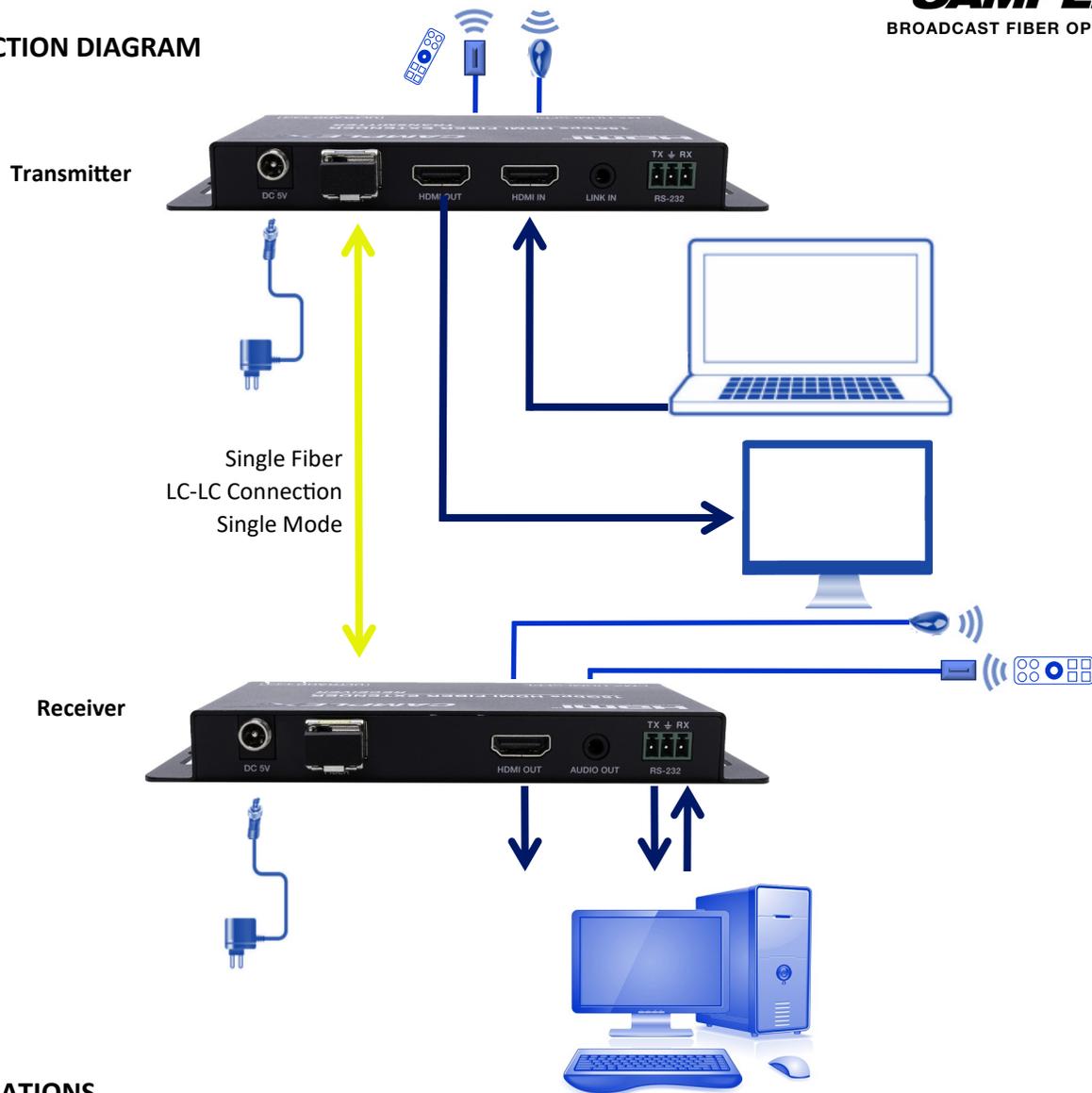
- 1 System Power LED Indicator
- 2 Optical Link LED Indicator
- 3 HDMI Input Signal LED Indicator
- 4 IR In
- 5 IR Out
- 6 Factory Use Only

Rear



- 7 Power Supply Input
- 8 Optical - SFP Port
- 9 HDMI Out
- 10 Audio Out
- 11 RS-232

CONNECTION DIAGRAM



SPECIFICATIONS

Compliance	HDMI 2.0b (18Gbps), HDCP 2.2, DVI
Video Bandwidth	18Gbps
Video Resolutions	480i~1080p50/60Hz, 4Kx2K@24/30Hz & 4k2k@60Hz
Color Depth	8-bit, 10-bit, 12-bit
HDMI Audio Formats	LPCM 2/5.1/7.1CH Dolby Digital / Plus / EZ Dolby TrueHD DTS DTS-EX DTS-HD Master Audio DSD

Transmission Distance	Up to 10km Over Single Mode
IR Frequency	20KHz-60KHz
RS-232 Baud Rate	4800-115200bps
Power Consumption	3W
Power Input	AC100 - 240V 50/60Hz
Dimensions Each Unit	134 (W) x 68 (D) x 18mm (H)
Weight	TX: 9.87oz / 280g, RX: 9.81oz / 278g
Compliance	Class 1 Laser ROHS, FCC CE Compliant

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BROADCAST FIBER OPTIC SOLUTIONS

SAFETY PRECAUTIONS

1. To prevent fire or shock hazard, do not expose this equipment to high humidity and/or dust. Do not use in an unprotected outdoor installation nor any area classified as overly damp or wet.
2. The temperature for installation should be between 32°F to 140°F (0°C to 60°C). Avoid direct sunlight exposure or extreme changes of temperature over a short period of time.
3. Do not disassemble the unit or place it on an unstable base.
4. Do not drop the unit and avoid heavy impact.
5. This unit should not be placed in a built-in installation unless proper ventilation is provided. Any openings in the enclosure must not be blocked or covered as they protect the unit from overheating.
6. Before cleaning, unplug the unit from all connections. Use a clean, slightly damp cloth. Do not use liquid or aerosol cleaners. Use appropriate cleaning kits for fiber optic cables.
7. Do not overload outlets and extension cords as this could result in a fire or electric shock.
8. Enclosure entry is dangerous. Never push objects of any kind, including liquids, into this unit through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.
9. Do not attempt to open or service this unit yourself as opening or removing covers may expose you to dangerous voltage and other hazards.
10. There are no user-serviceable parts inside the unit. If the unit requires service contact your authorized dealer, or an authorized repair service company.