



# ***User Manual and Specifications***

## **CMX-HDMI-SM-TR**

*4K/30Hz HDMI Over Single-Core Single Mode Multimode Fiber Extender*



## DESCRIPTION

The Complex CMX-HDMI-SM-TR is a 4K/30Hz HDMI over Single-Core SM/MM compact fiber extender that is pluggable directly into your device. Extend your 4K video source over fiber up to 300m to your desired display with this incredibly compact set. The set also promotes secure data with negligible RFI/EMI emissions or loss of video quality due to no copper conductor present.

## FEATURES

- Supports Resolutions up to 4K/30Hz (Y:U:V 4:4:4)
- Extends HDMI/DVI Data up to 300 Meters Over a Single Mode or OM3 Multimode Fiber Cable
- HDCP Compliant
- Compact Design to Directly Plug Into Equipment
- Promotes Secure Data with Negligible RFI/EMI Emissions and Loss of Video Quality Due to no Copper Conductor Present

## SPECIFICATIONS

- Resolutions: 4K30Hz (Y:U:V 4:4:4)
- Input and Output Signals: TMDS Level (Compliant with HDMI 1.4)
- Data Transfer Rate: Max 10Gbps
- Maximum Video Bit Rate: 10Gb/s
- Transmission Distance: 300m
- Optical Connector: 1 x LC Connector
- Electric Connector Type from System to Display: HDMI
- Recommended Fiber: OM3 Multimode or Single Mode Fiber
- Operating Temperature: 14°F-158°F (-10°C-70°C)
- Storage Temperature: -40°F-185°F (-40°C-85°C)
- Dimensions (LxWxH): 2.53 x 0.88 x 0.42in
- Weight: 0.0625lbs (27g)

## PACKAGE CONTENTS

- 2 x Power Supply
- 2 x Micro USB-B Cables



### CONNECTION DIAGRAM:

1. Connect the CMX-HDMI-SM-TR transmitter, marked "source" on the unit, to the video source.
2. Connect the CMX-HDMI-SM-TR receiver, marked "display" on the unit, to the display.
3. Connect the source and display units utilizing a Single Mode or OM3 Multimode LC fiber cable.
4. Connect the external power supplies to the CMX-HDMI-SM-TR.
5. Apply power to the system.



PC  
Video Source



LC Single Mode or OM3 Fiber



Display





## ▶ CMX-HDMI-SM-TR

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# PRODUCT SERVICE

## Damage requiring service:

- The unit should be serviced by qualified service personnel if:
  - (a) The DC power supply cord or AC adaptor has been damaged
  - (b) Objects or liquids have gotten into the unit
  - (c) The unit has been exposed to rain
  - (d) The unit does not operate normally or exhibits a marked change in performance; The unit has been dropped or the cabinet is damaged.
- (2) Servicing Personnel: Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.
- (3) Replacement parts: When parts need replacing ensure the servicer uses parts specified by the manufacturer. Unauthorized substitutes may result in fire, electric shock, or other hazards.
- (4) Safety check: After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

# SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install the unit:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit

# WARRANTY

1 Year



812 Kings Highway, Saugerties, NY 12477 | 1.800.445.7568 | sales@complex.com

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