



## ***HDMI 2.0 optical fiber detachable extender, HDFX-500-TR***

### **Description**

HDMI 2.0 optical fiber detachable extender, HDFX-500-TR, extends HDMI 2.0 signal up to 200m (656feet) and transmits 4K UHD (4096x2160) at 60Hz over one LC multi-mode fiber. Leading-edge technology of OpticIS allows long distance transmission of 4K signal without any video/audio degradation.

HDFX-500-TR is designed compact enough to be fitted into various installation environments. It gives slim, light, easy installation with perfect electrical isolation, but without electrical hazard and interference.

HDFX-500-TR adopted High-Retention HDMI connector, which allows for more retention force than standard HDMI connector, prevents accidental disconnection. Furthermore, to meet all the needs of the customers, HDFX-500-TR is fully interoperability with using HDFX-700 as a pair.

HDFX-500-TR is compliant with HDMI standards features like CEC, EDID and HDCP 2.2 for better installation flexibility and compatibility. It also supports HDR to deliver more realistic, and objective video signal.

HDFX-500-TR can be operated by either USB power or DDC 5V power from HDMI source (Tx only). Auto Power-Switching feature makes it more reliable on its power supply. One customized male to female HDMI copper cable (0.2m) is included in the shipping group.

### **Specification**

- Supports HDMI2.0 standards feature
- Extends up to 4K (4096x2160) at 60Hz, (RGB & YCbCr : 4:4:4)
- Transmits HDMI 2.0 data up to 200m (656feet) over one (1) LC multi-mode fiber (OM3)
- Selectable Option: full interoperate with HDFX-700-TR as a pair.
- Prevents accidental disconnection by using High-Retention HDMI connector
- Operates by either USB Power(Both Tx and Rx) or DDC 5V from HDMI source (Tx only)
- Provides Auto Power-Switching feature
- Provides diagnosis feature
- Supports 3D contents transmission
- Complies with CEC, EDID and HDCP 2.2
- Supports HDR at 10 bit or 12 bit speeds respectively within its maximum bandwidth, 18Gbps

### **Applications**

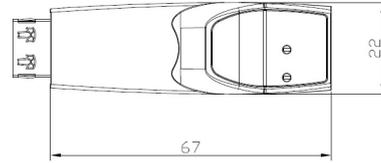
- Medical imaging
- Military
- Digital Signage
- Control room
- Simulator
- Rental staging

# HDMI 2.0 optical fiber detachable extender, HDFX-500-TR

## Technical Features

Resolution	Up to 4K(4096x2160) at 60Hz,
Bit rate	Up to 6.0 Gbps/ch
Maximum distance	Up to 200m (656feet)
Fiber	1 LC multi-mode fiber (OM3)
Power supplying	External USB power by micro USB to USB cable or DDC 5V from HDMI source(Tx Only)
LED Indicators	TX: power, signal transmission RX: power, signal detection
Power consumption	< 2.5W
Operating temperature	0°C to 50°C
Operating humidity	10~85% RH, non-condensing
Size (LWH)	22 x 67 x 14 mm

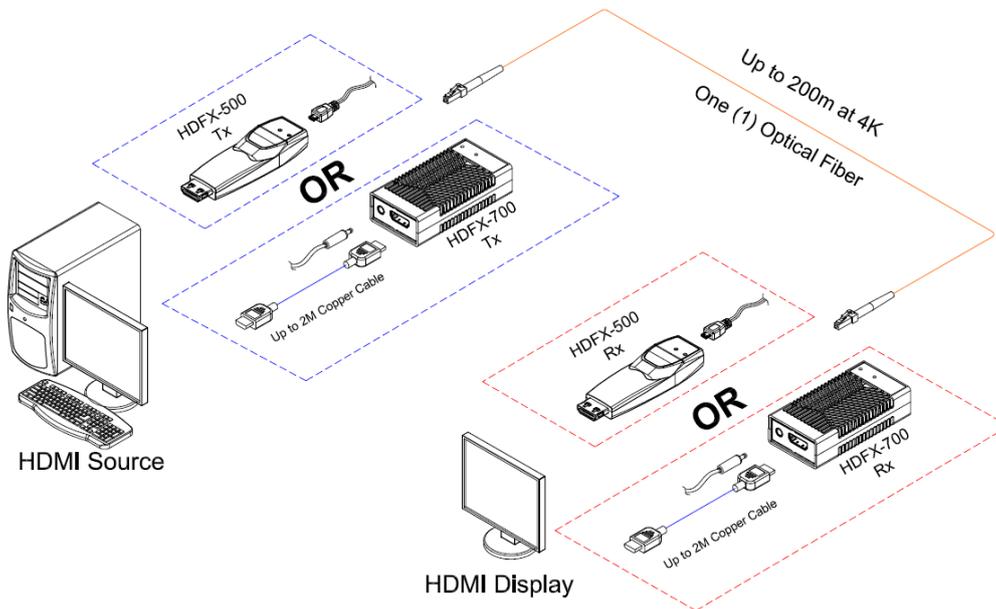
## Dimension [mm]



Size (LWH) : 22 x 67 x 14mm

## Connection Diagram

- 4K UHD(4096x2160) @60Hz up to 200m
- Full interoperate with HDFX-700-TR as a pair.



**Opticis Co., Ltd.**  
 3F, 305, Sanseong-daero Sujeong-gu  
 Seongnam-si, Gyeonggi-do, 13354 South Korea  
 Tel: +82 (31) 719-8033  
 Fax: +82 (31) 719-8032

tosales@opticis.com



All contents are subject to be changed without prior notice.