



HDMI 2.0 optical fiber detachable extender, **HAFX-500**

Description

HDMI 2.0 optical fiber detachable extender, HAFX-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.

HAFX-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.

HAFX-500-TR adopted High-Retention HDMI connector, which allows for more retention force than standard HDMI connector, prevents accidental disconnection.

HAFX-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.

HAFX-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.

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 LC multi-mode fiber (OM3)
- 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

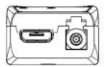
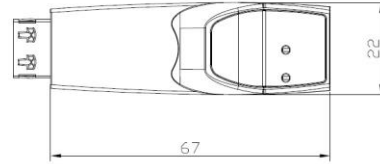
- Medical imaging
- Military
- Digital Signage
- Control room
- Simulator
- Rental staging

HDMI 2.0 optical fiber detachable extender, HDFX-500

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 |

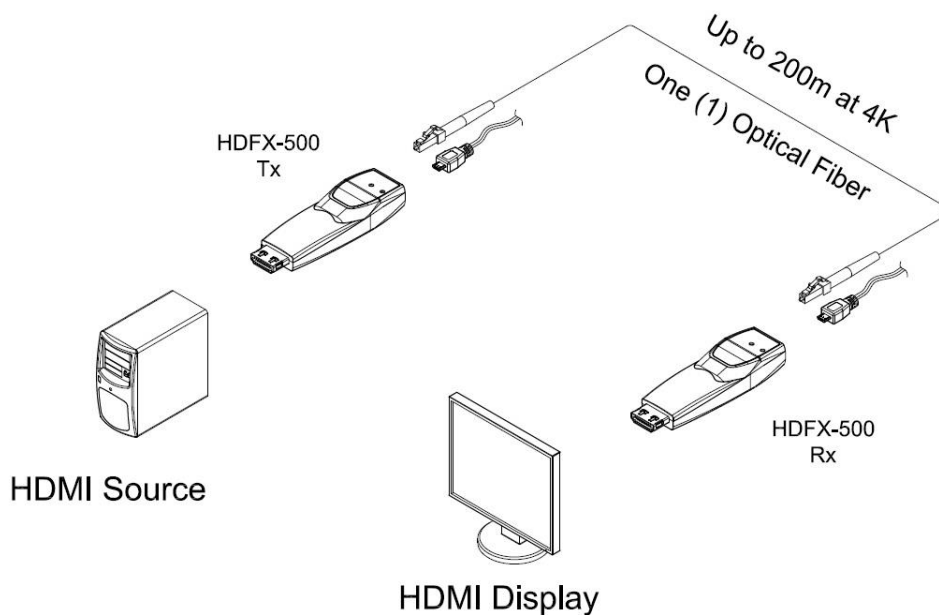
Dimension [mm]



Size (LWH) : 22 x 67 x 14mm

Connection Diagram

4K UHD(4096x2160) @60Hz up to 200m



Opticis Co., Ltd.
 7F, 166, Jeongjail-ro, Bundang-gu
 Sungnam-si, Gyunggi-do, 13558 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.