SC&T

HDMI Extender Series

User Manual

Model : HE01F-4K

Compact 4K HDMI Fiber Extender

Introduction

HE01F-4K is an HDMI extender that uses a single fiber optic cable with LC connections to transmit uncompressed 4K 30Hz HDMI signals, with EDID and HDCP signals supported for both multi-mode and single-mode fibers. This small compact size allows you to easily finish installation for any audiovisual applications.

Features

- Resolution up to 4K30Hz.
- Transmission distance up to 1KM over single-mode fibers, 300m over multi-mode fibers.
- Built-in LC Fiber Connector.
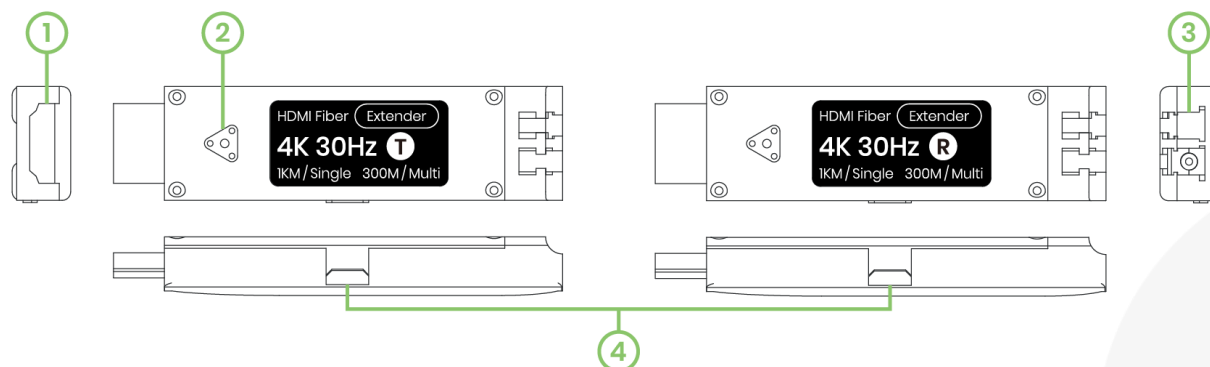- Supports EDID bypass.
- Low latency.
- Plug & Play, USB powered.

Installation view

PC   HE01FT-4K   Fiber   HE01FR-4K   Monitor

Transmission Distance

Fiber Module	Max. Distance
Multi-mode	300 M
Single-mode	1 KM

Panel view

.

No	Interface	Description
1	HDMI Type-A Connector	To connect an HDMI device
2	LED Indicator	To indicate power & Link status
3	LC Optical Connector	To connect a single/ multi-mode fiber cable
4	Micro USB Connector	To input 5V 2A power

Installation Guide

1. Connect HE01FT-4K (The transmitter) to an HDMI source.
2. Connect the optical fiber cable to HE01FT-4K.
3. Power on HE01FT-4K from the micro-USB port.
4. Connect HE01FR-4K (The receiver) to an HDMI device.
5. Connect the optical fiber cable to HE01FR-4K.
6. Power on HE01FR-4K from the micro-USB port.

LED Indication

Transmitter/Receiver	LED Status	Status
HE01FT-4K (Transmitter)	Off	Not powered
	Red	Powered, but no HDMI input
	Purple	Powered and HDMI input detected
HE01FR-4K (Receiver)	Off	Not powered
	Red	Powered, but no data transferred from transmitter
	Purple	Powered and data received from transmitter

Caution

- The product **DOES NOT** support CEC due to EDID pass-through. To support CEC, please contact us for customization.
- This product is designed for indoor applications. If it is desired for outdoor use, please install additional equipment for waterproof protection and surge protectors to prevent damages caused by lighting.
- Both transmitter and receiver have to be powered through a micro-USB port.
- Do not put anything on the power and system cables, place them where they cannot be stepped on. Please be sure there is nothing resting on any cables.
- Avoid using this product close to water places, or near high temperature devices such as radiators, stoves, etc.
- Using standard and certified optical fiber cables to transfer high-resolution video is recommended.
- Shut down the power supply and unplugged all equipment immediately if:
    - water or any kind of liquid has been spilled into the product;
    - the product has been damaged by external force
    - the product does not operate normally as this manual indicates
    - Please contact us for further repair if above conditions happen

What's In the Package

No	Item	Qty
1	HE01FT-4K	x 1
2	HE01FR-4K	x 1
3	5V 2A Power Adapter	x 2
4	Micro USB to USB cable 1M	x 2

Specification

Model	HE01FT-4K	HE01FR-4K
Compliance		
Standard	HDCP 1.4, 3D, DDC	
Video Resolution	4K@30Hz 4:4:4	
Data Rate	10Gbps	
Transmission Distance	1 KM over single-mode fiber 300M over multi-mode fiber	
Wavelength	1310nm	1550nm
Ports & Interfaces		
Video Input	1 x HDMI Type-A	1 x LC Fiber Connector
Video Output	1 x LC Fiber Connector	1 x HDMI Type-A
Power Input	1 x Micro USB	1 x Micro USB
Power		
Power Supply	5V 2A	5V 2A
Power Consumption	< 1.5W	< 1.5W
Ambient Temperature		
Operation	-20 to 70℃	
Storage	-40 to 80℃	
Operating Altitude	2000m	
Humidity	Up to 95%	
Physical Characteristics		
Dimension	79 x 20 x 10mm	79 x 20 x 10mm
Weight	52g	52g

RoHS CE