

Introduction

DE01F is a DVI extender that uses a single fiber optic cable with LC connections to transmit uncompressed full HD DVI signals. EDID and HDCP signals are supported for single-mode fibers. DE01F could also work with our HE01F-4K (Compact 4K HDMI Fiber Extender 1KM) transmitting DVI source to HDMI displays, or vice versa. This small compact size allows you to an easier installation for any AV applications..

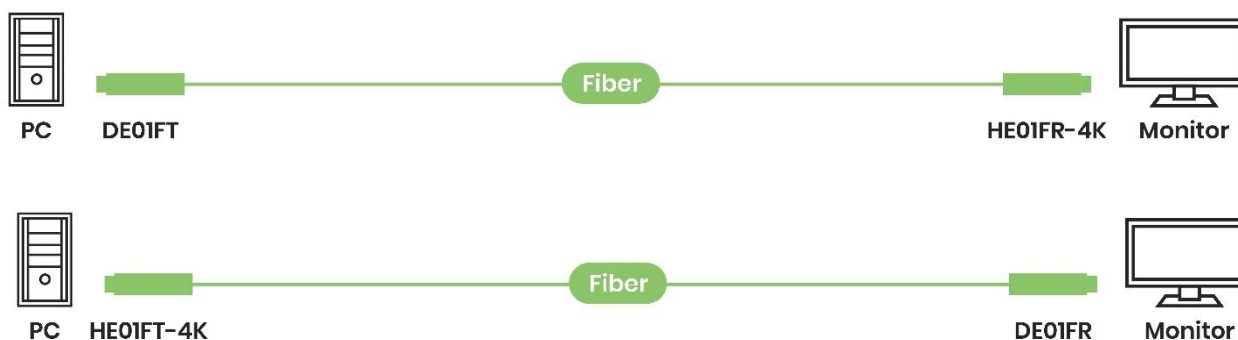
Features

- Resolution up to 1920x1200p 60Hz
- Transmission distance up to 1KM over single-mode fibers
- Built-in LC Fiber Connector.
- Could use with HE01F-4K to achieve HDMI in DVI out or vice versa.
- Supports EDID Bypass.
- Low latency.
- Plug & Play, USB powered.

Installation view



Interoperability with HE01F-4K (only single mode fiber)

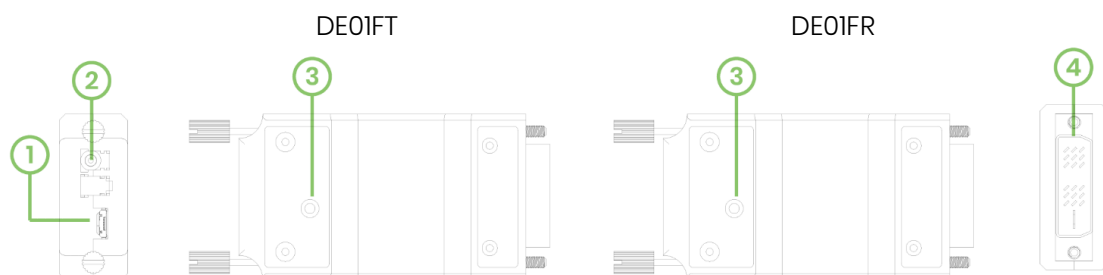


Transmission Distance

Fiber Module	Max. Distance
Single-mode	1 KM

Note: SC&T uses CommScope and Draka fiber optic cables for the verification.

Panel view



No	Interface	Description
1	Micro USB connector	To input 5V 2A power
2	LC optical connector	To connect a single fiber cable
3	LED Indicator	Power & Link indicator
4	DVI-D connector	To connect an DVI device

Installation Guide

1. Connect DE01FT to a DVI source.
2. Connect the optical fiber cable to DE01FT.
3. Power on DE01FT from the micro-USB port.
4. Connect DE01FR to a DVI device.
5. Connect the optical fiber cable to DE01FR.
6. Power on DE01FR from the micro-USB port.

LED Indication

Transmitter/Receiver	LED Status	Extender Status
DE01F (Transmitter)	Off	Not powered
	Red	Powered, but no HDMI input
	Purple	Powered and HDMI input detected
DE01F (Receiver)	Off	Not powered
	Red	Powered, but no data transferred from transmitter
	Purple	Powered and data received from transmitter

Caution

- 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 lightning.
- 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 standardize 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	DE01FT	x 1
2	DE01FR	x 1
3	5V 2A Power Adapter	x 2
4	Micro USB to USB cable 1M	x 2

Specification

Model	Transmitter	Receiver
Compliance		
Standard	HDCP 1.4, DDC	
Video Resolution	1920x1200 60Hz 4:4:4	
Transmission Distance	1 km over single-mode fiber	
Wavelength	1310nm	1550nm
Ports & Interfaces		
Video Input	1 x 25 DVI-D	1 x LC Fiber Connector
Video Output	1 x LC Fiber Connector	1 x 25 DVI-D
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°C	
Storage	-40 to 80°C	
Operating Altitude	2000m	
Humidity	Up to 95%	
Physical Characteristics		
Dimension	92 x 41 x 17mm	92 x 41 x 17mm
Weight	156g	157g