Optical DVI 1Ch Bi-directional Extender

DSP

DSP, optical DVI extension module, is designed to let digital flat panel display extend over 300meters(1,000feet) away from host based on DVI standard by optical transmission technology.
It can transmit EDID data and HDCP over fiber in real time. DSP can be used with HDMI standard devices such as Blu-ray player, PS-3 as well as DVI devices.

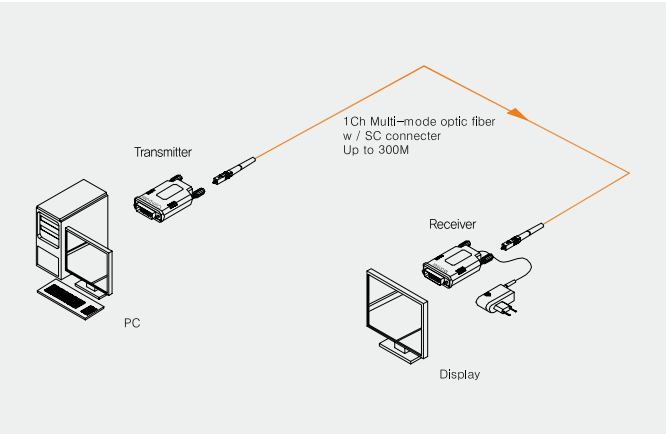
Feature

- High speed and long distance transmission by 1 channel SC type multi-mode optical fiber
- Supports resolution up to HDTV / 1080P, PC / WUXGA(1920 x 1200)
- TMDS video signal and EDID data is transmitted over optical fiber
- HDCP compliant
- Uses slim and light Aluminum case
- EMC & Safety : CE, FCC, UL

Specification

	Transmitter	Receiver
Connector	DVI-D (Male) SC connector (Female)	
Optical fiber	1ch / Multi-mode	
Pixel clock	225MHz (Single link)	
Supporting Resolution & Distance	-WUXGA(1920 x 1200)@60Hz / 300M(1,000ft) -1080p(1920 x 1080)@60Hz / 300M(1,000ft)	
Power Consumption	1.3W(Max)	1.1W(Max)
Power Supply	Optional	100~240V DC 5V,2A
Dimension	40W x 60D x 14H(mm)	
Enviroment	- Operating Temperature Range : 0℃ ~50℃ - Storage Temperature Range : -20℃ ~ 70℃	

Application



Optical

- Optical Source : 850nm VCSEL
- O/E Converter : PIN Photo Diode
- Optical fiber mode : Multi-mode optic fiber
  with SC type connector

Package

- Transmitter, Receiver
- 1 Power Adapter (for Receiver)
- User's manual

Ordering Information

DSP-Axxx

- Model name
- SC type optical cable length
  050 = 50meters
  100 = 100meters
  300 = 300meters
- Type
  - A : Full set including of Tx, Rx
    1 power adapter and optical cable
  - M : Tx, Rx and 1 power adapter only
    (excluding of optical cable)