



Extenders / DVI

# Optical DVI 1Ch Bi-directional Extender



## DSH

DSH, Optical DVI pigtail module extender with HDCP support, 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. DSH can be used with HDMI standard devices such as Blu-ray player, PS-3 as well as DVI devices.

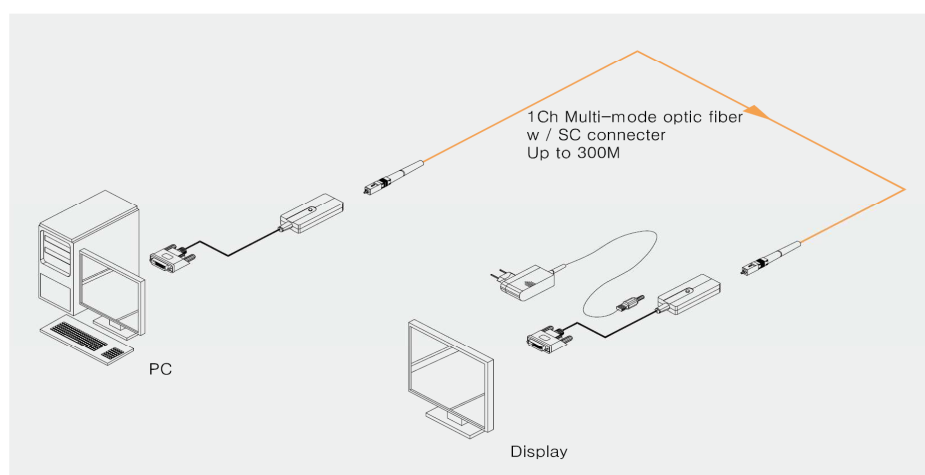
### Feature

- High speed and long distance transmission by 1 channel SC type multi-mode optic fiber
- Supports resolution up to HDTV / 1080p, PC / WUXGA(1920x1200)
- TMDS video signal and EDID data is transmitted over optical fiber
- HDCP compliant
- Pigtail design for easy and reliable installation
- EMC & Safety : CE, FCC

### Specification

	Transmitter	Receiver
Connector	DVI-D (Male) SC connector (Female)	
Optic 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	300W x 33D x 12H(mm)	
Environment	- Operating Temperature : 0°C ~ 50°C - Storage Temperature : -20°C ~ 70°C	

### 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

## DSH-Axxx

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