



DVI Beam HDCP LC²

Optical DVI/HDMI Bi-directional DDC Communication Extender

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PMD DVI Beam HDCP LC² Optical DVI extension module is designed to let digital flat panel display extend over 300m (1,000ft) away from host based on DVI Standard by optical transmission.

It can transmit EDID data and HDCP over fiber in real time. DVI Beam HDCP LC² can be used with DVI device as well as HDMI standard device such as Blu-ray player, PS-3.



FEATURES

- High speed and long distance transmission by 1channel LC type multi mode optical fiber
- TMDS video signal and EDID data is transmitted over optical fiber
- Extend up to 300m
- DVI Specification 1.0 Compliant
- Supports HDCP compliant device with HDCP Rev 1.1 Specification
- Maximum resolution WUXGA (1920x1200) / 2K (2048x1080)
- EMC & Safety: CE

SPECIFICATIONS

	Transmitter	Receiver
Connector	DVI 24Pin (Male) LC connector (Female)	
Optical fiber	1ch / Multi-mode	
Video Bandwidth	2.25Gbps (Single link)	
Supporting Resolution & Distance	-WUXGA (1920 x 1200) / 300M (1,000ft) -1080p (1920 x 1080) / 300M (1,000ft)	
Power Consumption	2.5W (Max)	2.0W (Max)
Power Supply	100~240V DC 5V,2A	100~240V DC 5V,2A
Dimension	82W x 41D x 15H(mm)	
Environment	- Operating Temperature : 0°C ~ 50°C - Storage Temperature : -20°C ~ 70°C	

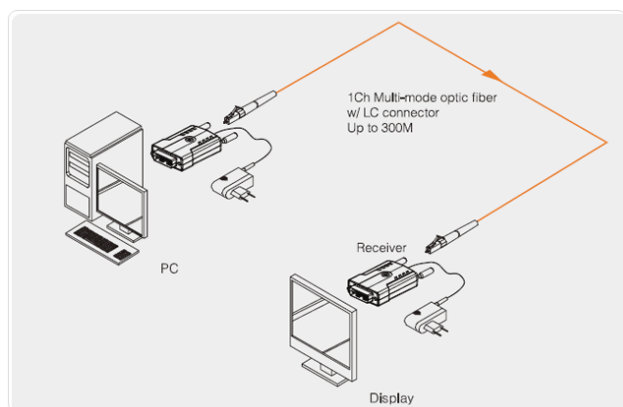
OPTICAL

- Optical Source: 850nm VCSEL
- O/E Converter: PIN Photo Diode
- Using Fiber: Multi-mode optical fiber (LC Type Connector)

PACKAGE

- Transmitter, Receiver module
- 2 Power Adapters
- User's manual

APPLICATION



86341209

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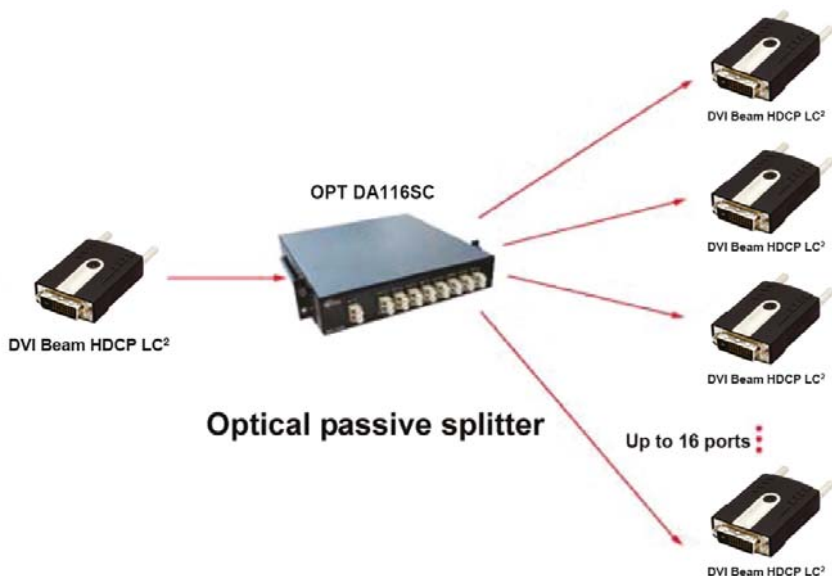
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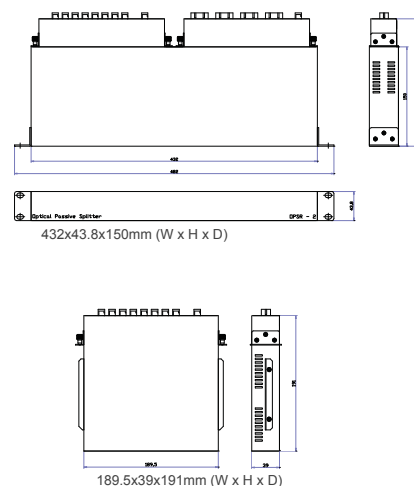


OPTICAL PASSIVE SPLITTER

INSTALLATION EXAMPLE



OPT DAxx - DIMENSIONS



19" 1RU FRAME OF OPTICAL PASSIVE SPLITTER



Description

PMD's new optical passive splitter, OPT DAxx distributes optical signal over single-mode fiber up to 16 channels without any active device or electrical power to maximize the efficiency and minimize the cost of digital signage installation. Two (2) units of OPT DAxx can be fitted into 19" 1RU frame, OPT DARM and for sure one unit can be used as stand-alone type to save the installation space. Optical passive splitter, OPT DAxx will take some fundamental changes again to all industry and its participants with simple but powerful features and competitive price beyond other connectivity.

OPT DARM; 19" 1RU frame for Optical Passive Splitter

- OPT DARM can adopt 2 units of Optical Passive Splitter, OPT DAxx
- Power is not needed

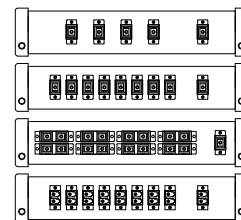
OPT DAxx - OPTICAL PASSIVE SPLITTER

Technical Specifications

Items	Specifications		
	OPT DA104SC OPT DA204LC	OPT DA108SC OPT DA208LC	OPT DA116SC
Operating Wavelength (nm)	1260 to 1650		
Insertion Loss (Max)	≤ 7.8	≤ 11.0	≤ 14.3
Insertion Loss Uniformity	≤ 0.8	≤ 1.0	≤ 1.5
Return Loss	≥ 55 dB		

Model: Order number:

OPT DA104SC	8634-0011-01
OPT DA108SC	8634-0012-01
OPT DA116SC	8634-0016-01
OPT DA204LC	8634-0013-01
OPT DA208LC	8634-0014-01



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