

(8) 10-Bit Digital Video Channels with 4 Bi-Directional Data Channels with SFP* Optical Devices

FVT/FVR80D4SFP





The ComNet[™] FVT/FVR80D4SFP series optical video link provides transmission of eight 10-bit short-haul quality digital video channels and four bi-directional data channels through a selectable small form factor pluggable module (SFP). The data channels support RS232, RS422 and 2 wire and 4 wire RS485. Plug-and-play design ensures ease of installation and no electrical or optical adjustments are ever required.

FEATURES

- > Up to eight 10-bit digital video channels
- > Four bi-directional data channels
- > Uses interchangeable SFPs for fiber type, distance and connector
- Exceeds all requirements for RS-250C short-haul transmission
- Compatible with all NTSC, PAL, or SECAM CCTV camera systems
- > Designed for installation in harsh out-of-plant/unconditioned industrial or roadside operating environments (-40° to +75°C ambient). Fully compliant with the environmental requirements of NEMA TS-2 for Traffic Signal Control Equipment

- Voltage transient protection on all power and signal input/output line provide protection from voltage surges and other transient events
- > Bi-color LED status indicators confirm operating status
- > Hot-swappable rack modules
- Interchangeable between stand-alone or rack mount use -ComFit
- > Lifetime warranty
- Made in the USA

^{*} SFP = Small Form-Factor Pluggable Module (sold separately)

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Connectors

Relative Humidity

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GENCY COMPLIANCE

SPECIFICATIONS

Video

Video Input	1 volt pk-pk (75 ohms)	Ор
Overload	>1.5 V pk-pk	Pov
Bandwidth	5 Hz - 6.5 MHz	: Vid
Differential Gain	<2%	Dat
Differential Phase Tilt	<0.7° <1%	Power
Signal-to-Noise Ratio (SNR)	67 dB @ Maximum Optical Loss Budget	Sui
Max. RG-59 COAX Distance	100 m (300 ft) Camera to Fiber Optic Module to	Pov
	maintain 6 Mhz Bandwidth	Rad
Data		Electri
Data Interface	RS232, RS422 and RS485 (2W/4W)	Nu
Data Format	NRZ, NRZI, Manchester, Bi-Phase and Sensornet	Cu
Data Rate	DC-250 Kbps (NRZ)	Cir
Maxalan ath		Siz
Wavelength	SFP dependent	: Shi
Number of Fibers ¹	SFP dependent	Enviro
Optical Emitter	SFP dependent	MT
LED Indicators	> Fiber Status >> Video Output Sync Presence	Ор
	> Received Data > Transmitted Data > Power	Sto

Optical	SFP modules
Power	Terminal Block
Video	BNC
Data	RJ45 (5 pieces included)
ower	
Surface Mount	8 to 15 VDC
Power Consumption	5 W
Rack Mount	From Rack
ectrical & Mechanical	
Number of Rack Slots	3
Current Protection	Automatic Resettable Solid-State Current Limiters
Circuit Board	Meets IPC Standard
Size (in./cm) (L×W×H)	6.1 × 5.3 × 2.2 in (15.5 × 13.5 × 5.6 cm)
Shipping Weight	<2 lb / 0.9 kg
nvironmental	
MTBF	>100,000 hours
Operating Temp	-40° C to +75° C
Storage Temp	-40° C to +85° C

0% to 95% (non-condensing)²

X

MADE IN THE

[1] Multimode fiber needs to meet or exceed fiber standard ITU-T G.651. Single mode fiber needs to meet or exceed fiber standard ITU-T G.652

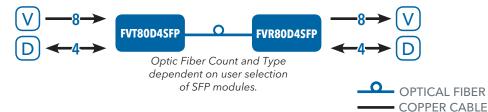
ORDERING INFORMATION

Part Number	Description
FVT80D4SFP	8 Channel Video / 4 Channel Data
FVR80D4SFP	8 Channel Video / 4 Channel Data
Included Accessories	DC Plug-in Power Supply, 90-264 VAC, 50/60 Hz (Included) 5 × RJ45 - RJ45 Breakout Wiring Kit (Includes cable and terminal block)
Options	[2] Add suffix '/C' for Conformally Coated Circuit Boards to extend to condensation conditions (Extra charge, consult factory) User-selection of SFP modules (Extra charge, consult factory) DIN-Rail Mounting Adaptor Plate Kit – With mounting hardware (Optional, order model DINBKT1 or DINBKT4)

Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J

In a continuing effort to improve and advance technology, product specifications are subject to change without notice.

TYPICAL APPLICATION





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