eight 10-bit digitally encoded video channels + redundant point-to-point dual small form-factor pluggable (SFP) optical ports

Description

The ComNet™ FVT/FVR8SFP2R series optical video link provides eight 10-bit medium-haul quality digital video channels, and has dual optical (SFP) ports to provide a redundant Point-to-Point topology.

The redundant Point-to-Point topology using the dual optical ports provide fail safe operation in the event of loss of one fiber or one optical module. Each port accepts a wide variety of SFP modules.

Plug-and-play design ensures ease of installation and no electrical or optical adjustments are ever required. Bi-color (Red/Green) LED indicators are provided for confirming operating status. Packaged in the exclusive ComNet ComFit housing, these units may be either wall or rack-mounted, or may be DIN-rail mounted by the addition of ComNet model DINBKT1 adaptor plate.

Features

- Up to eight 10-bit digital video channels
- Dual optical ports (SFP) Redundant Point-to-Point configuration
- Exceeds all requirements for RS-250C medium haul transmission
- Compatible with all NTSC, PAL, or SECAM CCTV camera systems
- Tested and certified by an independent laboratory for full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, high-line/low-line voltage conditions and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment.
- Voltage transient protection on all power and signal input/output lines provides unconditional protection from power surges and other voltage transient events.
- Automatic resettable fuses on all power lines
- Hot-Swappable Modules
- Bi-color (Red/Green) LED status indicators provide rapid indication of critical operating parameters
- Lifetime Warranty

(SFP) = Small Form-Factor Pluggable Module

FVT/FVR8SFP2R

(8) 10-bit digitally encoded video channels + redundant point-to-point dual small form-factor pluggable (SFP) optical ports

specifications

VIDEO

Video Input:	1 volt pk-pk (75 ohms)
Overload:	>1.5V pk-pk
Bandwidth:	5 Hz - 6.5 MHz
Differential Gain:	<2%
Differential Phase:	TBA
Tilt:	<1%
Signal-to-Noise Ratio (SNR):	67 dB @ Maximum Optical Loss Budget
Max. RG-59 COAX Distance:	100m (300ft) Camera to Fiber Optic Module to maintain 6Mhz Bandwidth

WAVELENGTH

SFP (Small Form-Factor Pluggable) dependent

NUMBER OF FIBERS*

SFP (Small Form-Factor Pluggable) dependent

OPTICAL EMITTER

SFP (Small Form-Factor Pluggable) dependent

LED INDICATORS

- Fiber Status
- Video Sync Presence
- Power

CONNECTORS

Optical:	2 SFP modules Dual Port configuration (Required for Redundant Point-to-Point operation)
Power:	Terminal Block
Video:	BNC

ELECTRICAL & MECHANICAL

Power:	
Surface Mount:	
Surface Mount:	8-15 VDC @ 3W
Rack Mount:	From Rack
Number of Rack Slots:	2
Current Protection:	Automatic Resettable Solid-State Current Limiters
Circuit Board:	Meets IPC Standard
Size (in./cm) (LxWxH)	6.1 x 5.3 x 2.2 in., (15.5 x 13.5 x 5.6 cm)
Shipping Weight:	<2 lb./0.9 kg

ENVIRONMENTAL

MTBF:	>100,000 hours
Operating Temp:	-40˚ C to +75˚ C
Storage Temp:	-40˚ C to +85˚ C
Relative Humidity:	0% to 95% (non-condensing)†

* 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

† May be extended to condensation conditions by adding suffix '-C' to model number for conformal coating.

AGENCY COMPLIANCE

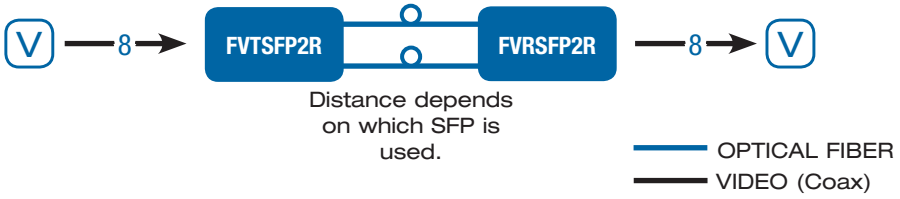
PART 15 COMPLIANT E322911 N24621

MADE IN THE USA

Accessories	9 Volt DC Plug-in Power Supply, 90-264 VAC, 50/60 Hz (Included)
Options	Add '/C' for Conformally Coated Circuit Boards (Extra charge, consult factory)
	DIN-Rail Mounting Adaptor Plate Kit – With mounting hardware (Optional, order model DINBKT1)

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.



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