POWER SUPPLY — INCLUDED

75° -40° — HARDENED

SFP — FLEXIBILITY

VIDEO — 4

The ComNet™ FVT/FVR40SFP series optical video link provides four 10-bit medium-haul quality digital video channels, using optical SFPs for fiber type, connector, and distance. Plug-and-play design ensures ease of installation and no electrical or optical adjustments are ever required.

FEATURES

› Up to four 10-bit digital video channels

› Uses interchangeable SFPs for fiber type, distance and connector

› Exceeds all requirements for RS-250C medium 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 lines provides protection from power surges and other voltage transient events.

› Automatic resettable fuses on all power lines

› Bi-color LED status indicators confirm operating status

› Hot-swappable rack modules

› Interchangeable between stand-alone or rack mount use – ComFit

› Can be DIN-rail mounted with optional DINBKT1 or DINBKT4 mounting kit.

› Lifetime warranty

› Made in the USA

APPLICATIONS

› High-Performance CCTV (Fixed Video)

* Small Form-Factor Pluggable Module. Sold separately.

SPECIFICATIONS

Video

Video Input	1 volt pk-pk (75 ohms)
Overload	>1.5V pk-pk
Bandwidth (minimum)	5 Hz - 6.5 MHz
Differential Gain	<2%
Differential Phase	<0.7˚
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 6 Mhz Bandwidth

Wavelength
SFP (Small Form-Factor Pluggable) dependent

Number of Fibers[1]
SFP (Small Form-Factor Pluggable) dependent

Optical Emitter
SFP (Small Form-Factor Pluggable) dependent

LED Indicators
› Fiber Status   › Video Sync Presence   › Power

Connectors

Optical	ST
Power	Terminal Block
Video	BNC

Power

Surface Mount	8 to 15 VDC
Power Consumption	3 W
Rack Mount	From Rack

Electrical & Mechanical

Number of Rack Slots	1
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

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)[2]

[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.

AGENCY COMPLIANCE

FC PART 15 COMPLIANT   CE   cULus E322911   RoHS COMPLIANT   N24621

MADE IN THE USA

ORDERING INFORMATION

Part Number	Description
FVT40SFP	4 Channel Video Transmitter
FVR40SFP	4 Channel Video Receiver
Accessories	DC Plug-in Power Supply, 90-264 VAC, 50/60 Hz (Included)
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)

NOTE: This product requires a fiber installation with a minimum 30 dB connector return loss. The use of Super Polish Connectors is recommended.

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

Distance depends on which SFP is used

—— OPTICAL FIBER
—— COPPER CABLE