



The ComNet™ FVT/FVR80SFP series optical video link provides eight 10-bit medium-haul quality digital video channels, using optical small form factor pluggable modules (SFP). Plug-and-play design ensures ease of installation and no electrical or optical adjustments are ever required.

FEATURES

- › Up to 8 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

Data

| | |
|-----------------------------|--|
| Video Input | 1 volt pk-pk (75 ohms) |
| Overload | >1.5 V pk-pk |
| Bandwidth | 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 | 100 m (300 ft) Camera to Fiber Optic Module to maintain 6MHz Bandwidth |

Wavelength

SFP (Small Form-Factor Pluggable) dependent

Number of Fibers¹

SFP (Small Form-Factor Pluggable) dependent

Optical Emitter

SFP (Small Form-Factor Pluggable) dependent

LED Indicators

> Fiber Status > Video Sync Presence > Power

Connectors

| | |
|---------|----------------|
| Optical | SFP modules |
| Power | Terminal Block |
| Video | BNC |

Power

| | |
|-------------------|-------------|
| Surface Mount | 8 to 15 VDC |
| Power Consumption | 4 W |
| Rack Mount | From Rack |

Electrical & Mechanical

| | |
|-----------------------|---|
| Number of Rack Slots | 2 |
| 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



ORDERING INFORMATION

| Part Number | Description |
|-------------|--|
| FVT80SFP | 8 Channel Video Transmitter |
| FVR80SFP | 8 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

