



Fiber Transmission 3-independent Channel 8-bit Video Receivers

Overview

GE's FV3 Series is now IFS. For use in industrial security and Intelligent Transportation Systems (ITS) applications, the IFS FV3 Series 3-channel video fiber receivers feature a robust design well-suited for harsh environments. The IFS FV3 Series supports 3 independent channels of 8-bit PCM digital video that provides no video degradation versus optical path loss. All modules are optimized for the highest optical performance on either one multi-mode or single mode fiber.

The plug-and-play design provides broad-range compatibility with major video surveillance manufacturers. The unique unified modular design can easily be deployed in either stand alone or rack-mount applications. In-field configuration flexibility includes a diverse range of optics and connector choices to meet specific system and connectivity requirements. In addition, remote health and status monitoring can be implemented via the IFS Smart Rack IP Network Module. These units are compatible with the FV and MFV 8-bit series transmitters.

FV3 Series 3-Ch Independent 8-bit Digital Video Receivers

Standard Features

Video

- Compatible with NTSC or PAL video standards
- 3 independent channel receiver in one module
- 8-bit digitally encoded (non-compressed) video
- No video degradation over the entire operating distance

Optical

- 3 independent fiber inputs
- Multi-mode or single mode versions
- Distances up to 60Km

Robust Design

- Plug-and-play design, no in-field adjustments required
- Unified modular design for stand alone or rack-mount installation
- Hot-swappable design with solid-state current limiters
- Wide operating temperature range of -40° C to +75° C
- Designed for use in harsh environments

Local & Remote Diagnostics

- Service-friendly LED status indicators on both front and rear of the module provide for local monitoring and diagnostics
- Remote health and status monitoring via Smart Rack IP Network Module

Warranty

- Comprehensive Lifetime Warranty



North America
 T 888-437-3287
 F 503-691-7566
 E sales@ifs.com

Asia
 T 852-2907-8108
 F 852-2142-5063

Australia and New Zealand
 T 613-9239-1200
 F 613-9239-1299

Europe
 T 44-113-238-1668
 F 44-113-253-8121

Latin America
 T 561-998-6100
 F 561-994-6572

interlogix.com
 ufcfireandsecurity.com

Specifications subject to
 change without notice.

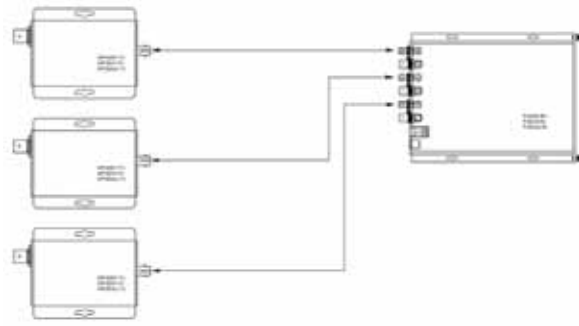
© 2011 Interlogix, A UTC Fire & Security Company.
 All rights reserved.

GE and the GE monogram are trademarks of the
 General Electric Company and are under license
 to UTC Fire & Security, 9 Farm Springs Road,
 Farmington, CT 06034-4065

Specifications

Video	
No. of Channels	3 independent receivers
Video I/O	1 volt pk-pk (75 ohms)
Bandwidth	6 Mhz
Differential Gain	<2%
Differential Phase	<1° Typical
Tilt	1%
SNR-CCIR Weighted	≥ 53 dB
Optical	
Receiver Type	PIN Diode
Wavelength	1310 or 1550nm
Number of Fibers	3 independent optical fibers
LED Indicators	
Video Presence	Green/Present; Red/Absent
Power	Green/On
Connectors	
Video	BNC
Optical	ST (Standard); optional SC or FC connector kits available
Power (surface-mount)	2-pin screw terminal block
Power (rack-mount)	10-pin smart bus connector
Electrical & Mechanical	
Operating Voltage	12VDC
Current Draw	500mA Max.
Current Protection	Automatic resettable fuse
Dimensions (in./cm.) (HxWxD)	1.0 x 6.2 x 9.1 in. (2.54 x 15.84 x 23.18 cm)
Shipping Weight	1.8 lbs. / 0.80kg
Environmental	
MTBF	>100,000 hours
Operating Temperature	-40° C to +75° C
Storage Temperature	-40° C to +85° C
Relative Humidity	0 to 95% non-condensing
Regulatory Compliance	FCC, UL, CE, C-Tick, FDA

Typical Applications



Ordering Information

Fiber	Part Number	Description	Wavelength	Optical Pwr Budget*	Max. Distance**	Rack Slots
FV3 Series 3 Independent Channels – Digital 8-bit Video Receivers						
Multi-mode 62.5/125µm	FVMM3-RX	3 Independent Channels – Digital 8-bit Video RX, 1MM Fiber	1310 nm	12 dB	2.5 miles (4km)	1
Single mode 9/125µm	FVSM3-RX	3 Independent Channels – Digital 8-bit Video RX, 1SM Fiber	1310 nm	18 dB	25 miles (40km)	1
	FVSM3-LD	3 Independent Channels – Digital 8-bit Video RX, 1SM Fiber, LD	1550 nm	25 dB	37 miles (60km)	1

* For 50/125 fiber, subtract 4dB from optical power budget

** Optical transmission distance is limited to optical loss of the fiber and any additional loss introduced by connectors, splices and patch panels.

Operating distance for multi-mode is limited by fiber bandwidth due to the inherent characteristic of modal dispersion within MM fiber.

Note: Power supply must be ordered separately.

Accessories

Connector Kits	
SC/FC-OA	SC to FC Optical Adaptor
SC/SC-OA	SC to SC Optical Adaptor
SC/ST-OA	SC to ST Optical Adaptor
Cable Kits	
SC/LC-MM-FPC	SC to LC MM Fiber Patch Cord
SC/LC-SM-FPC	SC to SC Optical Adaptor
Smart Rack Chassis	
DFR	Smart Rack –Chassis Only

Security Products by GE are now part of the UTC Fire & Security family



UTC Fire & Security

A United Technologies Company