

Overview

The IFS VT4030-AC video mini-transmitter supports the simultaneous transmission of a fixed video signal using FM modulation on one single mode fiber optic cable. The transmitter includes a built-in isolation transformer allowing both the camera and fiber optic transmitter to be powered by the same 24VAC power supply. The VT4030-AC video transmitter is compatible with the IFS VR4030 series receivers. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments. The transmitter incorporates a power status indicating LED for monitoring proper system operation. The transmitter is available in a stand-alone version only.

Application Examples

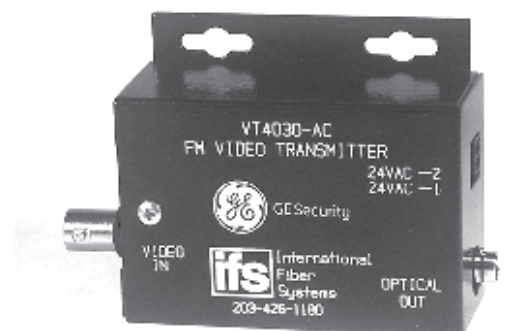
- CCTV (Fixed Video)

Standard Features

- FM Video Transmission
- NTSC, PAL, SECAM Compatible
- Full Color Compatibility
- Direct Camera Mountable
- Built-in isolation transformer for direct 24VAC connection
- Power Status LED
- No In-field Electrical or Optical Adjustments Required
- Distances up to 31 miles (51 km without repeaters)
- Comprehensive Lifetime Warranty

FM Video Mini Transmitter

Simultaneous transmission of a fixed video signal using FM modulation on one single mode fiber optic cable.



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gesecurity.com/ifs

Specifications subject to
 change without notice

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Specifications

Video
 Video Input: 1 volt pk-pk (75 ohms)
 Bandwidth: 5 Hz - 10 MHz
 Differential Gain: <5%
 Differential Phase: <5°
 Tilt: <1%
 Signal-to-Noise Ratio (SNR): 60 dB

Wavelength 1310 nm, Single Mode

Number Of Fibers 1

Connectors

Optical: ST
 Power: Flying Lead
 Video: BNC (Gold Plated Center-Pin)

Electrical & Mechanical

Power: 24 VAC @ 150 mA
 Max. RG59 Cable Length: 750 ft.
 Circuit Board: Meets IPC Standard
 Size (in./cm.) (LxWxH)
 Surface Mount: 2.5 x 2.0 x 2.0 in., 6.4 x 5.08 x 5.08 cm
 Shipping Weight: < 1 lbs./45 kg

Environmental

MTBF: > 100,000 hours
 Operating Temp: -40° C to +74° C
 Storage Temp: -40° C to +85° C
 Relative Humidity: 0% to 95% (non-condensing)†

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

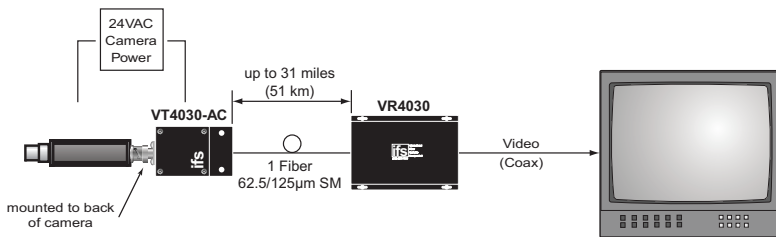
Agency compliance



Made in the USA

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

System Design



Ordering Information

	Part Number	Description	Fibers Required	Optical Pwr. Budget	Max. Distance*
Single Mode 9/125µm	VT4030-AC	FM Video Transmitter (1310 nm)	1	17 dB	31 miles (51 km)
	VR4030	FM Video Transmitter (1310 nm)			

Options Add '-C' for Conformally Coated Printed Circuit Boards (Extra charge, consult factory)

* Optical transmission distance is limited to optical loss of the fiber and any additional loss introduced by connectors, splices and patch panels. Distance can also be limited by fiber bandwidth. ** For 50/125 Fiber, subtract 4 dB from Optical Power Budget.

