

Overview

The IFS VT1101M video mini-transmitter supports the simultaneous transmission of a fixed video signal using AM modulation and one contact closure on one multimode fiber optic cable. This contact closure allows an additional device such as a dome tamper switch or alarm event input to be added and its signal transmitted back to the monitoring location. The transmitter is direct camera mountable eliminating the use of coaxial cable at the camera connection and will fit in most camera housings. A BNC feed-through coupler is also supplied to connect to coaxial cable when not mounting the module directly to the camera. The VT1101M video transmitter is compatible with the IFS VR1000, VR1001, VR1100, VR2100 and VR1100CC 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)

AM Video Mini Transmitter with Contact Closure

Simultaneous transmission
of a fixed video signal using
AM modulation and one
contact closure.



Standard Features

- AM Video Transmission
- NTSC, PAL, SECAM Compatible
- Full Color Compatibility
- Direct Camera Mountable
- Power Status LED
- Contact Closure
- No In-field Electrical or Optical Adjustments Required
- Comprehensive Lifetime Warranty



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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

Contact Closures

Status: Normally Open

Wavelength

850 nm, Multimode

Number Of Fibers

1

Connectors

Optical: ST
 Power: Terminal Block with Screw Clamps
 Video: BNC (Gold Plated Center-Pin)

Electrical & Mechanical

Power: 9 - 12 VDC @ 150 mA
 10 - 14 VAC @ 200 mA
 Max. RG59 Cable Length: 750 ft.
 Circuit Board: Meets IPC Standard

Size (in./cm.) (LxWxH)
 Surface Mount: 2.5 x 1.6 x 1.0 in., 6.4 x 4.1 x 2.5 cm
 Shipping Weight: < 2 lbs./0.9 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.

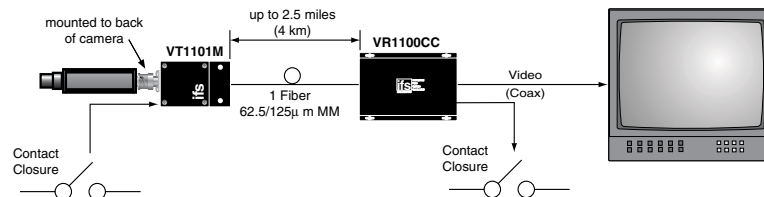
Agency compliance



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*
	VT1101M	Dual Video Transmitter (850 nm)	1	14 dB	2.5 miles (4 km)
		VT1101M is compatible with: VR1000, VR1001, VR1100, VR2100 and VR1100CC Series Receivers			
Accessories♦		PS-12VDC 12 Volt DC Plug-in Power Supply (Included) PS-12VDC-230 12 Volt DC Plug-in Power Supply, 230 VAC Input (Included if specified at time of order)			
Options		Add '-R3' to Model Number for R3 Rack Mount - No Charge (Requires R3 Rack purchased separately) 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.

♦All accessories are third party manufactured.



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