

# VT1101M Series

## IFS AM Video Mini Transmitter with Contact Closure



### OVERVIEW

The IFS VT1101M Series 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 Series 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.

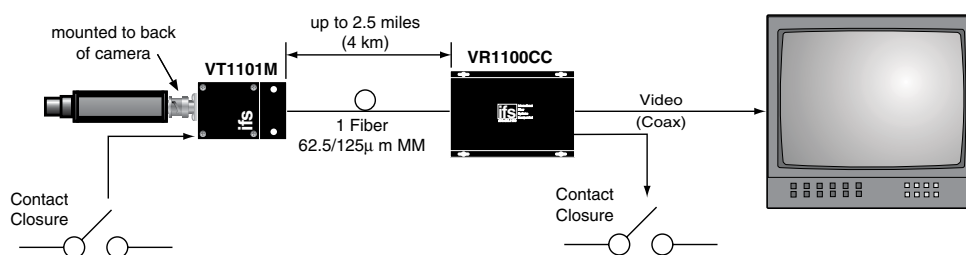
### STANDARD FEATURES

- 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

### APPLICATION EXAMPLES

- CCTV (Fixed Video)

### SYSTEM DESIGN



# VT1101M Series

IFS AM Video Mini Transmitter with Contact Closure

North America  
T 855-286-8889

Latin America  
T 561-998-6114

## Ordering Information

	Part Number	Description	Fibers Required	Optical Pwr. Budget	Max. Distance*
Multimode 62.5/125µm**	VT1101M	Dual Video Transmitter (850nm)	1	14 dB	2.5 miles (4 km)
		VT1101M is compatible with: VR1000, VR1001, VR1100, VR2100 and VR1100CC Series Receivers			
Accessories ♦	PS12VDC1.5A-U	12VDC, 1.5A Plug-in Power supply (110/220VAC) with Universal power plug adapter kit (Included)			

\*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.

## 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
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### Wavelength

	850 nm, Multimode
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### Number Of Fibers

	1
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### 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)

## Agency Compliance

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



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Specifications subject to change without notice.

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VT1101M