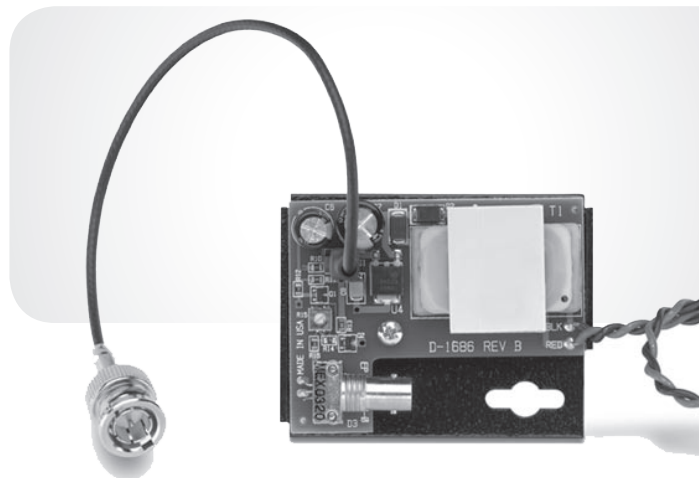


# VT1101M-AC Series

IFS AM Video Mini Transmitter



## OVERVIEW

The IFS VT1101M-AC Series video transmitter provides transmission of a fixed video signal using AM modulation on one multimode 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 24 VAC power supply. The VT1101M-AC video transmitter is compatible with the IFS VR1000, VR1001, VR1100, and VR2100 series receivers. Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments.

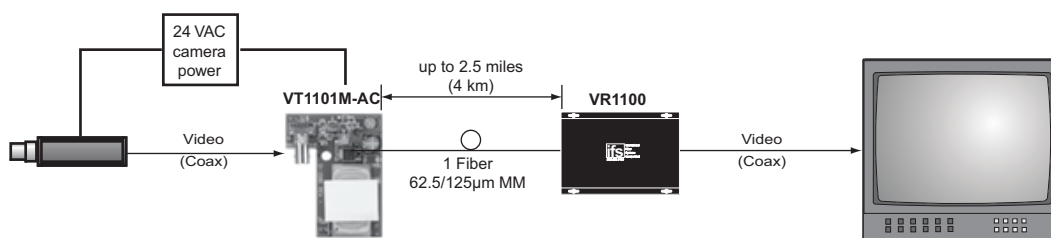
## STANDARD FEATURES

- AM Video Transmission
- NTSC, PAL, SECAM Compatible
- Full Color Compatibility
- No In-field Electrical or Optical Adjustments Required
- Built-in Isolation Transformer for Direct 24 VAC Connection
- Distances up to 2.5 miles (4 km) without Repeaters
- Comprehensive Lifetime Warranty

## APPLICATION EXAMPLES

- CCTV (Fixed Video)

## SYSTEM DESIGN



# VT1101M-AC Series

IFS AM Video Mini Transmitter

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-AC	Video Transmitter (850 nm)	1	14 dB	2.5 miles (4 km)
	VT1101M-AC is compatible with: VR1000, VR1001, VR1100 and VR2100 Series Receivers				

\*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.

## Specifications

### Video

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

### Wavelength

850 nm, Multimode

### Number Of Fibers

1

### Connectors

Optical:	ST
Power:	Flying Lead
Video:	BNC Jumper

### Electrical & Mechanical

Power:	
Surface Mount:	24 VAC @ 150 mA * Power supplies by camera 24VAC
Circuit Board:	Meets IPC Standard
Size (in./cm.) (LxWxH)	
Surface Mount:	2.5 x 2.0 x 1.0 in., 6.35 x 5.08 x 2.5 cm
Shipping Weight:	< 1 lbs./0.5 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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