

VT4030M Series

IFS FM Video Mini Transmitter



OVERVIEW

The IFS VT4030M Series video mini-transmitter supports the simultaneous transmission of a fixed video signal using FM modulation on one single-mode fiber optic cable. 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 VT4030M Series 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.

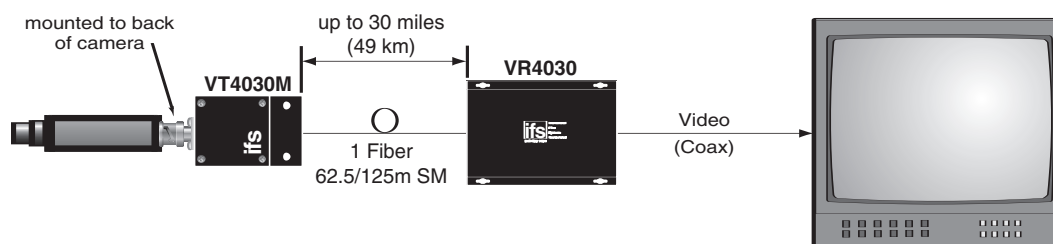
STANDARD FEATURES

- FM 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
- Distances up to 31 miles (51 km without repeaters)
- Comprehensive Lifetime Warranty

APPLICATION EXAMPLES

- CCTV (Fixed Video)

SYSTEM DESIGN



VT4030M Series

FM 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*
Singlemode 9/125 μ m	VT4030M	FM Video Transmitter (1310 nm)	1	17 dB	31 miles (51 km)
	VR4030	FM Video Receiver (1310 nm)	1	17 dB	31 miles (51 km)
Accessories ♦	PS12VDC1.5A-U	12VDC, 1.5A Plug-in Power supply (110/220VAC) with Universal power plug adapter kit (Included)			
	PS-1101M	24VAC Adapter (Optional, consult factory for availability)			

*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
Wavelength	
	1310 nm, Single-mode
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)

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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