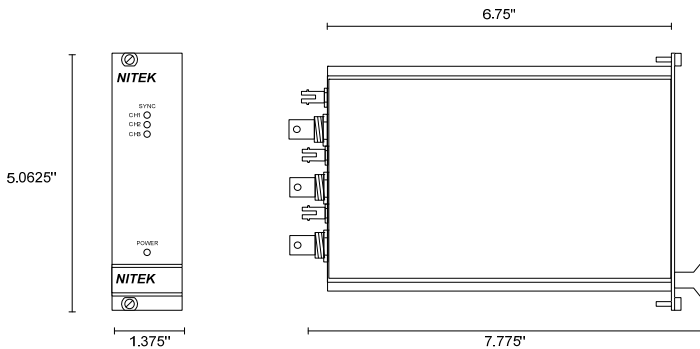


1000 Series



Rack Mount



Description

Nitek's **FRM133000R00** is a three channel multi-mode video receiver. This single fiber per camera multi-mode solution provides a cost effective cabling scheme for single camera applications where distances are not extremely long and traditional cabling is deemed ineffective.

The **FRM133000R00** is designed to support video only applications using a single multi-mode fiber per camera to receive video to a maximum distance of 13,000 feet (2.5 miles).

The incorporation of automatic gain control built into the receivers makes this truly a 'plug-and-play' video system, requiring no field set up or adjustments.

The inherent reliability combined with the ease of installation has propelled the **FRM133000R00** to the forefront of the video transmission industry.

The 1000 Series receivers are equipped with LED indicators which provides an at-a-glance operating video and optics state.

Features

- Receivers are equipped with AGC - no installation set up or ongoing maintenance required.
- Transmission over multi-mode fiber allows for the use of lower cost termination techniques.
- 2.5 miles video transmission distance at 850nm, with no repeaters required.
- Fully repeatable signal.
- Receivers equipped with front panel LED status indicators provide at-a-glance diagnostics of the systems video and optics state.
- Rack modules for both transmitters and receivers provide flexibility to system design.
- Standalone transmitters and receivers are available, which allow for ease of installation with limited camera counts.

Ordering Information

	Part #	Compatible Transmitters	# Fibers	Loss Budget	Connector	Max Distance
Multi-Mode 62.5/125µm	FRM133000R00	FTM111000S00 FTM133000R00	3	13dB	ST/ST	2 ½ miles (13,000 feet)
Description	FRM133000R00 Video Receiver 850nm LED					
Accessories Items	FSR1000 Sub Rack					



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Video

Compression	None, Uncompressed
Input / Output Level	1.5Vp/p max.
Input / Output Impedance	75 Ohm Unbalanced
Frequency Response	10Hz to 10Mhz. min.
Differential Gain	4%
Differential Phase	4°
Signal to Noise Ratio	50dB
Video Connection	BNC
Video Standard	NTSC/PAL

Data

Not Available in 1000 Series	See 3000 Series
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Auxiliary Communication

Not Available in 1000 Series	See 3000 Series
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Audio

Not Available in 1000 Series	See 5000 Series
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Ethernet

Not Available in 1000 Series	See 5000 Series
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Optical

Multi Mode Fiber	50/125 or 62.5/125
Wavelength	850nm LED
Optical Connector	ST
Path Loss	
50/125	10dB min.50/125
62.5/125	13dB min.
Transmission Distance	
Multi-Mode Fiber	2.5 miles (13,000 Feet)

General

Operating Temperature	5° to 160° Fahrenheit
Operating Humidity	0 to 95% non-condensing
Power Requirements	Powered from FSR1000
Indicators	
Power	Green LED
Video Sync	Green LED

Mechanical

Height	3U
Width	1 Card Slot
Depth	7.775"

In our continued effort to "Bridge the Gap in Technology", product specifications are subject to change without notice.

System Design

