



Features

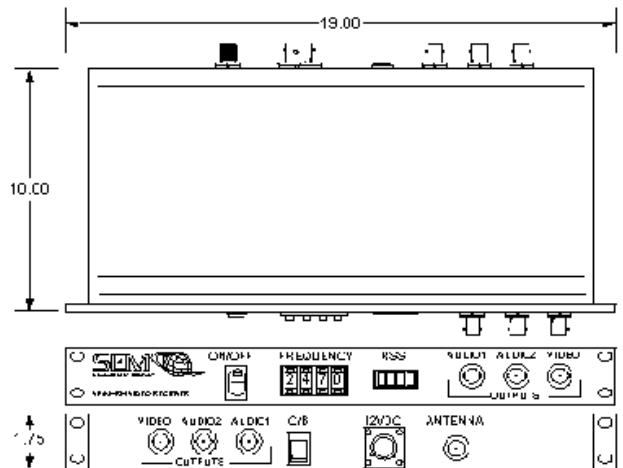
- 1710-1850 and 2185-2485 Mhz
- Frequency Agile
- -92 dBm Sensitivity
- BNC Video/Audio Output Connectors
(Front & Back Panel)
- 12 VDC Operation
- Single or Dual Audio/Data Subcarriers
- Signal Strength Indicator



Description

The rack-mounted VR70RM is a dual band (L & S) video/audio receiver. It possesses an industry-best -92 dBm sensitivity. The rugged construction makes it ideal for operating in harsh environmental conditions. The 19" rack configuration and low power consumption makes this receivers well-suited for applications requiring remote operation in mobile missions. Video/audio outputs are present on both the front and back panels.

The VR70RM comes with SEMCO's standard 2-year warranty on parts and labor.



Series VR70

Video Electrical Specifications

Frequency Range	1710-1850 and 2185-2485 MHz
Receiver Sensitivity	-92 dBm
Video S/N	>45 dB at -80 dBm RF input
Image Rejection	>60 dB
Noise Figure	6 dB nominal
Maximum RF Input	+10 dBm
RF Input Impedance	50 ohms
Output Impedance	75 ohms
De-Emphasis	Per CCIR-405

Audio Electrical Specifications

Audio Subcarrier	5.5-7.8 MHz, 6.5 MHz (standard)
Frequency Response	50 Hz to 12 kHz (3 dB)
Output Impedance	600 ohms
Output Level	1 Vp-p line level
Output S/N	>50 dB with -80 dBm input

Environmental Specifications

Temperature	-20 to + 70 C
Humidity	95% noncondensing

Power Requirements

Voltage Standard	12 VDC \pm 2V
Current	350 mA (typical)

Connectors

RF In	TNC female
Video Out	BNC female
Audio Out	BNC female
Power Input	PT 102

Mechanical

Size	6.5 x 4.50 x 1.20 inches
Weight	1.25 pounds

Options

Frequency Range	1435-1540 MHz
Second Subcarrier	5.5-7.8 MHz

Specifications subject to change without notice.