



## Features



- .1435-1540, 1710-1850, 2185-2485 Mhz
- Fixed Frequency or Frequency Agile
- -92 dBm Sensitivity
- BNC Video/Audio Output Connectors
- 12 VDC Operation
- Single or Dual Audio/Data Subcarriers

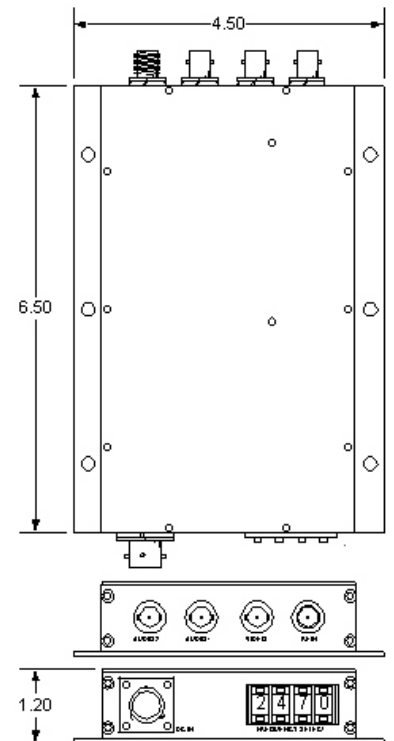


## Description

The **VR67** is a low cost video/audio receiver designed for the reception of both color (NTSC) and Black & White video signals in the 1435-1540 MHz, 1710-1850 MHz or 2185-2485 MHz frequency range and audio signals (transmitted on audio sub-carrier).

Its rugged construction is ideal for demanding environmental conditions. The **VR67** receiver sensitivity provides for exceptional range performance. The miniature size and low power consumption make these receivers ideally suited for applications requiring portable operation.

The **VR67** video/audio receiver comes with SEMCO's standard 1-year warranty on parts and labor and provides excellent performance at an affordable price.



### Video Electrical Specifications

Frequency Range	1710-1850, 2185-2485 MHz (standard)
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.

Systems Engineering &  
Management Company  
1430 Vantage Court  
Vista, CA 92081

For Further Information Call  
(800) 995-0636, Ext. 1126  
FAX (760) 727-5200  
www.semco.com

**Technology & Innovation For A Safer World**