



Analog Portable Video/Audio Receiving & Recording System

Series P270

Features



- **-92 dB Receiver Sensitivity**
- **1.7-1.9, 2.2-2.5 or 1.7-1.9 & 2.2-2.5 GHz**
- **Headphone w/ Volume Control**
- **Digital Video Cassette Recorder**
- **12.1" Sunlight-readable LCD Display**
- **Auxiliary Video and Audio Outputs**
- **Auxiliary Camera Input**
- **Internal Battery**
- **10-12 dB Gain Directional Antenna**



Description

The P270 analog video/audio receiver/recorder/viewing kit contains an RF microwave receiver, a digital video cassette recorder, a sunlight-readable LCD display, and an integral battery. The kit includes a 110 VAC to 12 VDC power supply and a 10-12 dB directional antenna. The P270 has a headphone jack with volume control. The P270 is frequency agile in 1 MHz steps in the bands 1.7-1.9, 2.2-2.5, or dual band 1.7-1.9 & 2.2-2.5 GHz.

The receiver's sensitivity is an industry best at -92 dBm and includes 2 audio sub-carriers. Auxiliary audio and video outputs are included for large screen viewing or external video tape recording. The system comes with an RF signal strength indicator. Unique to the SEMCO line of portable receiving/recording/viewing systems is the 12.1" sunlight-readable LCD. Also non-standard, the P270 is capable of displaying and recording a hard-wired video signal through its "External Video In" connection (for viewing and recording).

The P270 will work with any good quality analog audio/video transmitter including all of SEMCO's transmitters and transmissions systems.

The P270 Receiving/Recording/Viewing System comes with SEMCO's standard 2-year warranty on parts and labor.

Systems Engineering & Management
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For Further Information Call
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Technology & Innovation For A Safer World

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Video Receiver

Frequency Range	1.7-1.9, 2.2-2.5, or 1.7-1.9 & 2.2-2.5 GHz
Receiver Sensitivity	-92 dBm
Video S/N	>45 dB at -80 dBm RF input
Frequency Stability	+/- 0.005%
Image Rejection	>60 dB
Noise Figure	6 dB nominal
Maximum RF Input	+10 dBm
RF Input Impedance	50 ohms
Output Impedance	75 ohms
LO Radiation	< 25 dB

Audio

Audio Subcarrier	5.5 - 7.8 MHz (6.5 MHz standard)
Frequency Response	40 Hz to 12 kHz
Output Impedance	600 ohms (unbalanced)
Output Level	1 Vp-p line level (adjustable to 6 Vp-p)
Output S/N	>50 dB with -80 dBm input

Recorder

Video Recording System	SONY GV-D100 Digital Video Cassette Recorder
Recording/Playback Time	1.5 hours LP; 1.0 hours SP

LCD Screen

12.1" diagonal LCD/TFT active matrix, sunlight readable

Connectors

Auxiliary Audio/Video Output	BNC female
Power Input	4 pin male
RF Input	TNC female
External Video In	BNC female

Mechanical

Outside Dimensions	19.5" (L) x 15.5" (W) x 7.25" (H)
Weight	25 pounds

Environmental Specifications

Operating Temperature	5° C to +40° C
Storage Temperature	-20° C to +60° C

Power

Operating Voltage	+10-18 VDC
Current	1.8 amps
Internal Battery	7.2 Ah

Specifications subject to change without notice.

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