



Portable Video/Audio Receiving & Recording System

Series P270



Features



- **-92 dB Receiver Sensitivity**
- **1710-1850, 2185-2485 MHz**
- **External Speaker w/ Volume Control**
- **Sony 8mm VCR with Date-time Generator or SEMCO DVR**
- **12.1" Sunlight-readable LCD Display**
- **10-12 dB Gain Directional Antenna**
- **Auxiliary Video and Audio Outputs**
- **Dual Band (L & S) Receiver**



Description

The **P270** is mounted in a waterproof case with an audio/video receiver, Sony 8mm recorder (a SEMCO DVR is an option), and a sunlight-readable LCD display. The unit includes a 110 VAC to 12 VDC power supply and a 10-12 dB directional antenna. The **P270** has both a speaker with volume control and a headphone jack. The **P270** is frequency agile;

The receiver's sensitivity is an industry best at -92 dBm and includes 1 or 2 audio subcarriers. Auxiliary audio and video outputs are included for large screen viewing or external videotape recording. The system comes with an RF signal strength indicator. Unique to the SEMCO line of portable receiving systems is the 12.1" sunlight-readable LCD (the brighter the ambient light, the brighter the display). The **P270** is also capable of displaying and recording a hard-wired video signal through its "External Video In" connection.

The **P270** will work with any good quality audio/video transmitter including all of SEMCO's transmission systems and custom covert products.

The **P270** Receiving/Recording Systems come with SEMCO's standard 1 year warranty on parts and labor.

Systems Engineering & Management
Company
1430 Vantage Court
Vista, CA 92083-8596

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

Technology & Innovation For A Safer World



Specifications

Series P270

Video

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

Audio Subcarrier	Standard: 6.5 MHz (Optional 5.5 - 7.8 MHz)
Frequency Response	5 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

Recorder

Video Recording System	Sony 8mm or SEMCO Digital Video Recorder
Recording/Playback Time	Sony: 2/4 Hours (SP/LP); SEMCO DVR 11 hours (DVD Quality)

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 Requirements

Operating Voltage	+12 VDC
Current	1.8 amps

Specifications subject to change without notice.

Systems Engineering & Management
Company (SEMCO)
1430 Vantage Court
Vista, CA 92083-8596

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

Technology & Innovation For A Safer World