

WE VRC-1200

Audio/Video receiver

The SCG-VRC1200 is a combined portable receiver and monitor designed for setting up microwave links or use in remote surveillance operations.

The receiver is the successful SCG-VRC 1000, a fully synthesized receiver with a frequency range of 900-3200 MHz, PLL locked to a crystal reference.

The frequency range is fully adjustable by preset switches at intervals of 1 MHz spacing. The audio sub carrier is switchable between 5.5 or 7.2 MHz. The receiver can be supplied for single or dual channel audio.

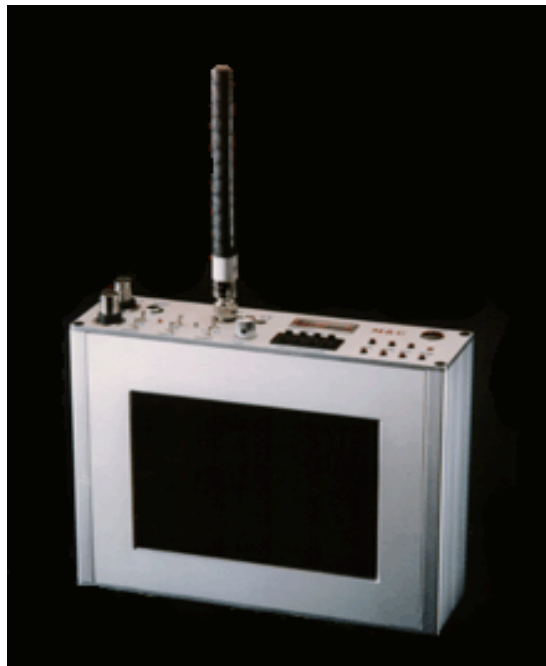
Images are displayed on a 6.4" color TFT LCD screen.

Inputs can be RF from the Wise range of microwave transmitters or direct line input from a CCTV camera.

The unit is powered by 12 Vdc from battery, car or mains power supply.

Option:

The SCG-VRC 1200 Portable Receiver Monitor can be supplied with optional digital frame storage, time and date generator. Other sizes of screen can be supplied to order, as can alternate enclosures. Models can also have telemetry control incorporated.



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WISE EYE

Integrated Security Solutions

Specification:

Range of operational frequencies:	
- L-Band	900 - 2200 MHz
- S-Band	1900 - 3200 MHz
Programmable steps	1 MHz digital
Noise	10 dB
Input impedance	75 Ω connector F female
IF bandwidth	27/16 MHz SAW filter 479.5 MHz
Video deviation	± 4 MHz (± 8.5 MHz max.), +ve/-ve switchable
Video output	1 Vpp on 75 Ω adjustable
De-emphasis	Standard CCIR switchable
Video frequency response	50 Hz – 5 MHz ± 1 dB with audio at 7.5 MHz ± 2 dB with audio at 5.5 MHz
Differential gain	$\pm 4\%$
Differential phase	$\pm 4\%$
Video S/N ratio	> 40 dB unweighted deviation = 4 MHz RF input 50 dBm
Audio sub-carrier frequency	5.5 MHz – 7.5 MHz switchable
Audio sub-carrier deviation	± 50 kHz FM
Stereo version	7.500 MHz Ch1, 8.065 MHz Ch2
Audio de-emphasis	50 μ s
Audio frequency response	15 kHz–15 MHz ± 3 dB
Audio output	0 dBm at 1 k Ω adjustable
Audio S/N ratio	> 45 dB unweighted
Power supply	12 V stabilised 400 mA
LNA - LNC power	12 Vdc 250 mA max., switchable
Dimensions	103 x 42 x 168 mm
Range of operational temperatures	0° - 45° C
Monitor output for received signal	Analogue meter full scale - 30 dBm dynamic 35 – 40 dBm

Screen

Screen size	6.4"/162.5mm (diagonal), TFT color LCD, compatible with NTSC or PAL system
Display format	960 x 234 pixels
Active area	130.6 x 97.3 mm
Dot pitch	0.136mm (H) x 0.416mm (V)
Aperture ratio	60 %
Pixel configuration	stripe

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