

## **WE VRC-1000**

**Audio/Video receiver**

The VRC 1000 is a receiver operating in the frequency band from 900 MHz to 3200 MHz. It is adjustable on the front panel by preset switches at intervals of 1 MHz. The SCG-VRC 1000 can be supplied with diversity switching (VRC 1000D), and a stereo option is also available.

The unit features A & B switching for audio sub-carrier 5.5 MHz or 7.2 MHz.

An RF level meter is included on the front panel.

Power requirement is 12 Vdc from battery or power supply.

The unit is complete in its own solid aluminum housing, measuring 103 mm x 42 mm x 168 mm.

A full range of antennas is available depending on application



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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 $\Omega$ connector F female
IF bandwidth	27/16 MHz SAW filter 479.5 MHz
Video deviation	$\pm 4$ MHz ( $\pm 8.5$ MHz max.), +ve/-ve switchable
Video output	1Vpp on 75 $\Omega$ adjustable (PAL, NTSC or SECAM)
De-emphasis	standard CCIR switchable
Video frequency response	50 Hz – 5 MHz $\pm 1$ dB with audio at 7.5 MHz, $\pm 2$ 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	$\pm 50$ kHz FM
Stereo version	8.065 MHz Ch1, 7.500 MHz Ch2
Audio de-emphasis	50 ms
Audio frequency response	15 kHz–15 MHz $\pm 3$ dB
Audio output	0 dBm on $\Omega$ adjustable 1k
Audio S/N ratio	> 45 dB unweighted
Power supply	12 V stabilised 400 mA
LNA - LNC power	12 Vdc 250 mA maximum, 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

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