



# **WISE EYE**

## **Integrated Security Solutions**

### **WE VT-500**

**Video / Audio Transmitter for long range applications**

The VT 500, a very professional audio and video transmitter providing highest performance. Intended operations, beside security, are Broadcast, Industry, and Airborne.

The VT 500 is available in three models covering the frequency bands of 1.118 GHz to 2.700

GHz. The frequency is selected by rotary switches.

The Power output is 1 W for 1.118 GHz to 2.000 GHz and 700 mW for 2.100 GHz to 2.700 GHz.

Operator adjustments are available for pre-emphasis, sub carrier frequency, video/audio levels etc..

The solid aluminum enclosure is precision machined accommodating the dual module system boards.

Together with the SCG-VRC 1200 the SCG-VT 500 will serve the professional user demanding quality equipment built to the maximum performance.



Carcom 5 Modeen Israel

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## Specification:

Range of operational frequencies / RF power output	1000 – 1100 MHz 0.6W +1/-2dB
	1100 – 1200 MHz 0.6W +1/-2dB
	1180 – 1350 MHz 1.5W +1/-2dB
	1350 – 1550 MHz 1.0W +1/-2dB
	1550 – 1700 MHz 0.6W +1/-2dB
	1680 – 1850 MHz 1.0W +1/-2dB
	1850 – 2000 MHz 1.0W +1/-2dB
	Connector R.F. out BNC
	2000 – 2200 MHz 0.6W +1/-2dB
	2200 – 2400 MHz 0.6W +1/-2dB
	2400 – 2600 MHz 0.6W +1/-2dB
	2500–2700MHz 0.6W +1/-2dB
	Connector R.F. out SMA
Frequency selector	1MHz steps by external rotary switches
Video modulation	FM deviation $\pm 4$ MHz adjustable
	BB video level by internal trimmer
Frequency stability	$\pm 50$ kHz
Video input	1Vpp into 75 Ohms (PAL, NTSC or SECAM) BNC connector with pre-emphasis selectable by internal link
Passband video	50 Hz – 5MHz $\pm 1$ dB
Audio modulation	FM Subcarrier at 5.5 MHz or 7.5 MHz, selectable by internal link Nominal deviation $\pm 50$ kHz, carrier level -30dB adjustable by SBC level trimmer
Audio input	Line=0dBm (100mV–2V) into 5 kOhm, Mic electronic audio level adjustable by internal link, Mic or RCA line connector
Stereo version	7.500MHz Ch1, 8.065MHz Ch2
Passband audio	25Hz – 15 kHz $\pm 3$ dB input line pre-emphasis 50 ms
Power supply	11 – 15 Vdc 0.6 A for 0.6 W RF out 0.8 A for 1.0 or 1.5 W RF out, (optional: power switching by remote control)
Range of operational temperatures	In open air with built-in heat sink -15/+40°C, in open air with external heat sink -15/+50°C
Dimensions	123.0 mm x 78.0 mm x 36.5 mm excluding connector
Weight	500 g

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