

WE VT-100

100mW 1.0GHz – 2.7GHz Audio/Video Transmitter

The WE VT 100 allows transmission via radio of images and sound from a video camera (B&W or Color) at a distance which in ideal conditions can reach 4km.

The device is ready for the installation of an omni-directional antenna directly mounted on the RF output connector. The WE-VT 100 transmitter can be used in a motor vehicle or in any other situation where the power is provided by a battery.

Depending on the use, a wide variety of antennae are available. See the separate specification sheets.

The unit may be linked to many different input devices including thermal imagers, low light and infra-red cameras. Again, separate specification sheets are available. Adjustable frequency Low Band, Mid Band and High Band.



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WISE EYE

Integrated Security Solutions

Specification:

Range of operational frequencies	1.0 GHz – 2.7 GHz
	Low Band 1GHz–1.4GHz in 10MHz steps, adjustment by external rotary switch, 10 preset channels
	Mid Band 1.4 GHz – 1.9GHz in 20 MHz steps, 10 preset channels
	High Band 1.9 GHz – 2.7 GHz or 2.7 GHz - 3.2 GHz in 25MHz steps,16 preset channels optional
Frequency stability	± 300 kHz
Output power	100 mW ±1dB
Carrier deviation video	± 4 MHz (FM)
RF power impedance	50 Ohm (SMA)
Input video signal level	1Vpp adj. 75 Ohm (BNC)
Video frequency response	50 Hz – 5 MHz +0/-2 dB
Audio sub-carrier frequency	1.5 MHz – 7.5 MHz
Audio sub-carrier deviation	± 50 kHz FM
Stereo version	8.065 MHz Ch1, 7.500 MHz Ch2
Audio pre-emphasis	Standard 50 us
Audio frequency response	20 Hz–15 kHz ± 3 dB
Audio input level	LINE 100mV into 5 kOhm, MIC input 20mV for electret microphone, (internal link selectable)
Power supply	12.5 Vdc, current 105 mA
Dimensions	52 x 64x 23 mm
Range of operational temperatures	-10° to +50° C
Weight	150 g
RF connector	SMA female
Video connector	BNC female
Audio connector	RCA female
Supply connector	2 pole direct insertion

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