



**100 mW Video/Audio
Transmitter**
Model 5801

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The video audio transmitter TSE 5801 is designed for short-range installations. It maintains its accuracy by being stable in frequency and is ideally suited for those who demand the ultimate for covert surveillance.

Dimensions of the 100 mW version are 50 mm X 13 mm X 5 mm. The TSE 5801 100 mW comes with a 6 VDC input, but with an optional remote control (incl. switching the video camera on/off).

Transmitters operate at a frequency range between 985 MHz and 1.45 GHz. The TSE 5801-VLR is perfectly suited to receive such a frequency. In addition, the receivers RV-2000 or RV-2400 can be used or the receiving/recording case RC-105, which provides receiving frequency selection between 950 MHz up to 2.05 GHz.

Technical Specifications

Frequency range	985 MHz–1450 MHz
Programmable steps	1MHz digital, with switch
Noise	10db
Input impedance	75 ohms connector SMA female
IF bandwidth	27 MHz SAW filter
Video deviation	±4MHz (±8.5MHz max)
Video output	1Vpp on 75 ohms adjustable (PAL)
De-emphasis	standard CCIR switchable
Video frequency response	50Hz–5MHz ±1dB with audio at 7.5MHz, ±2dB with audio at 5.5MHz
Differential gain	±4%
Differential phase	±4%
Video S/N ratio	>40dB unweighted deviation, = 4MHz RF input 50dBm
Audio sub-carrier frequency	5.5MHz–7.5MHz switchable
Audio sub-carrier deviation	±50kHz FM
Stereo version	7.500 MHz Ch1, 8.065 MHz Ch2
Audio de-emphasis	50 s
Audio frequency response	50 Hz 15 KHz ±3dB
Audio output	0dBm on 1kΩ adjustable
Audio S/N ratio	>45dB unweighted
Power supply	12 V stabilized, 150 mA
Dimensions	L+H+D < 180-
Working temperature	0–45°C
Storage temperature	-20°C - +50°C
Altitude	up to 2000m

Key Specifications

Function	Scan all channels in specified frequency band for active UMTS
Channel Range	UMTS Band 1 (1200MHz)
Sensitivity	3 GPP TS25.101 compliant
Supply Voltage	12Vdc or 24Vdc
Power Consumption	<60W
Antenna Connector	SMA female
Receiver Unit	W 323mm x H178mm x D288mm 4kg
Operating Temperature	- 5°C to + 45°C (23°F to 158°F)
Storage Temperature	-10°C to + 70°C (14°F to 158°F)
Display Device	Panasonic Toughbook CF 19
Interfaces	RJ45 Ethernet USB





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