

**902 to 928 MHz
3-Channel
FM Video Transmitter**

The VT900-3 is available in two versions; the VT900-3A conforms to FCC Part 15 requirements for unlicensed use and has a range of approximately 300-400 feet*. VT900-3B has higher power output and may only be used for law enforcement or military applications. It has a range of approximately 2600 ft.*

The VT900-3 provides excellent B/W and color video quality. The channels are spaced 8 MHz apart to allow multiple channel operation in an area. Use with VR900-3 receiver. For audio/video applications, see model AVT900-3. For longer range, use a directional receive antenna.



Features

- 3-Channel Selection
- 0 dBm or 19 dBm Output Power
- 75-Ohm NTSC Input
- Crystal Reference
- Rugged Extruded Aluminum Enclosure
- Antenna, AC Adapter and Power Cable Included

Typical Applications

- Wireless Video Transmission
- Security – Home/Industrial/Auto
- Portable Wireless Camera/Monitor Systems

Product Ordering

<i>Model</i>	<i>Output Power</i>	<i>Frequency (MHz) CH 1/CH 2/CH 3</i>	<i>Matching Receiver</i>	<i>Transmitter with Audio and Video</i>	<i>Receiver with Audio and Video</i>
VT900-3A	1 mW	907/915/923	VR900-3	AVT900-3A	AVR900-3
VT900-3B	90 mW	907/915/923	VR900-3	AVT900-3B	AVR900-3

Interface Table

Antenna	Rev Pol SMA
Video In	RCA Female (Phono)
Power In	2mm Male
Channel Select	Screwdriver Adjustable, 1-3

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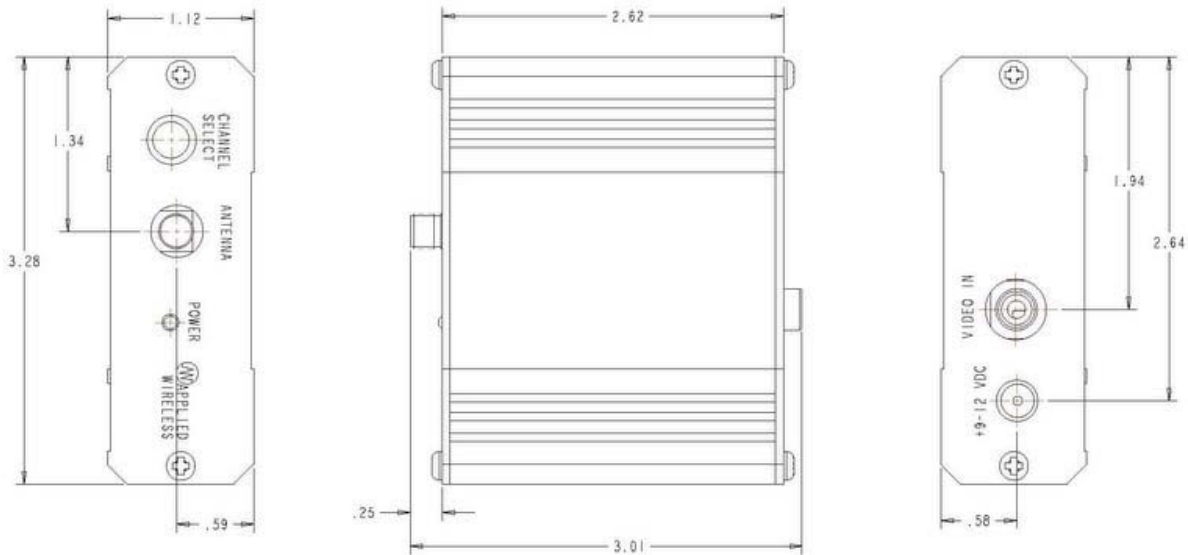
* Line of sight, when used with VRT900-3 Receiver and included antennas. Much greater ranges available with a directional receiver antenna such as yagi.

Electrical Characteristics

Sym	Parameter	Min	Typ (A)	Typ (B)	Max	Unit
DC _{in}	Operating Voltage Range	7.5	9	9	18	Volts
I	Operating Current		27	117		mA
	Video Frequency Response	.5 Hz			5 MHz	
P _{out}	Power Out		0	+19		dBm
SNR	Signal to Noise Ratio		60			dB
	FM Deviation @ 1V P-P Input		± 3			MHz
DG	Differential gain Error				3% p-p	
DP	Differential Phase Error				3% p-p	
Z _{out}	Antenna Output Impedance		50			Ohms
	Harmonic Suppression		-45			dBc
T _{op}	Operating Temperature	-20			+70	C

Maximum Ratings

Sym	Parameter	Value	Unit
DC _{in}	DC Supply Voltage	-50 to +35	Volts
T _{stg}	Storage Temperature	-50 to +150	C

Package Dimensions (inches)


Specifications subject to change without notice or obligation.

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