

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

Designed for long-range wireless video applications under Part 15 of the FCC Regulations. The VR900-3 provides excellent B/W and color video quality. The channels are spaced 8 MHz apart to allow multiple channel operation in a common area. Use with VT900-3 transmitter. Receiver includes ceramic front-end filters, IF SAW filters for excellent selectivity and low noise front end. Channel selection is screwdriver adjustable from the front panel. For audio/video applications, see model AVR900-3. For longer range, see Applied Wireless FP and Y series directional antennas.



Features

- 3-Channel Selection
- Long-Range (2600 ft*)
- 75 Ohm NTSC Output
- Crystal Reference
- Rugged Extruded Aluminum Enclosure
- IF SAW Filter For Excellent Selectivity
- LED Signal Strength Indicator
- Antenna, AC Adapter and Power Cable Included

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Related Products

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

Typical Applications

- Wireless Video Transmission
- Video Surveillance
- Portable Wireless Camera/Monitor Systems

Interface Table

Antenna	BNC Female
Video Out	RCA Female (Phono)
Power In	2mm Male
Channel Select	Screwdriver Adjustable

* Open field and when used with VT900-3B. Longer ranges available with directional antennas such as flat plate or Yagi's.

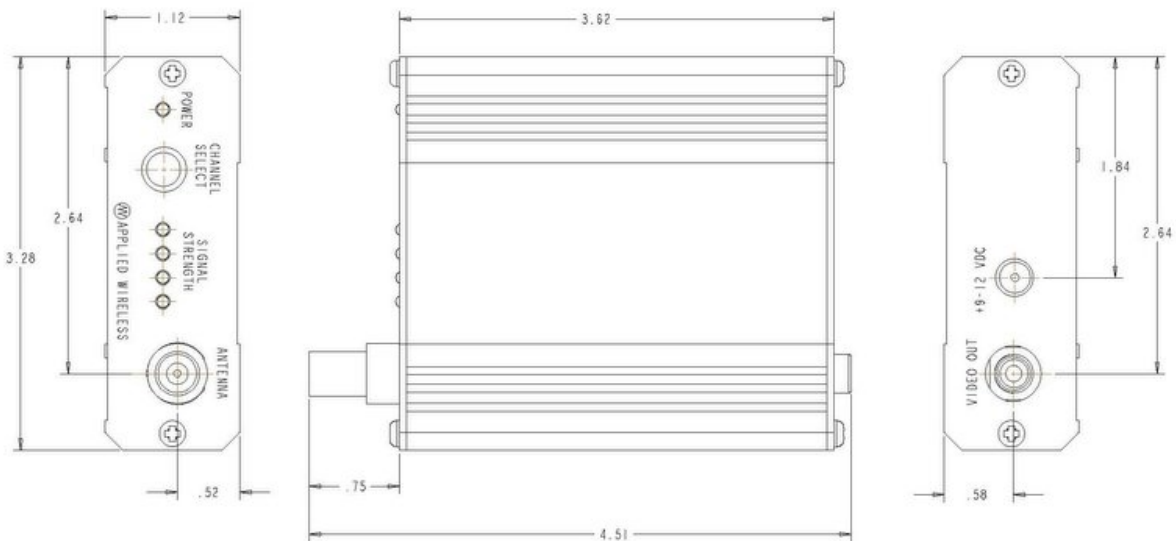
Electrical Characteristics

Sym	Parameter	Min	Typ	Max	Unit
DC _{in}	Operating Voltage Range	7.5	9	18	Volts
I	Operating Current		160		mA
f _{max}	Frequency Response (-3 dB)	.5 Hz		5 MHz	
	Sensitivity (30 dB SNR)		-85		dBm
DG**	Differential Gain Error			5% p-p	
DP**	Differential Phase Error			5% p-p	
V _{out}	Video Output, ± 3 MHz Deviation			1.0	Vp-p
Z _{out}	Video Output Impedance		75		Ohms
f _{if}	IF Frequency		75		MHz
BW _{IF}	IF Bandwidth (-1dB)		4.2		MHz
Z _{out}	Antenna Input Impedance		50		Ohms
	Image Rejection		80		dB
T _{op}	Operating Temperature	-20		+70	C

** Total video link, transmitter and receiver

Maximum Ratings

Sym	Parameter	Value	Unit
DC _{in}	DC Supply Voltage	-50 to +35	Volts
RF _{in}	RF Input	+10 dBm	Volts
T _{stg}	Storage Temperature	-50 to +150	C

Package Dimensions (inches)

Application Notes

- Antennas should be oriented vertically, either up or down.
- For greater range, try directional antennas such as Yagi's or flat panel antennas. See Applied Wireless Website for a selection of antennas.

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Specifications subject to change without notice or obligation.

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