

TECHNICAL DATA SHEET

RF200V

5.8GHz Wireless Video Link



KEY FEATURES

- 5.8GHz
- IP65 Rated
- 7x RF Channels
- DC12V Operation
- High Quality Audio & Video
- 250m Range in Ideal Conditions (Requires Line of Sight)
- LED Status to Monitor Transmitter
- 7x LED Signal Strength Meter (RSSI)
- Digital Input for PIR, External Switch etc.
- Volt Free Outputs for both Tamper and Input Channels
- Directional antennas (Reduced Interference)
- Heavy Duty Wall Bracket for X & Y Movement
- Tamper Monitors Case Switches, External Input & Loss of Transmitter

ORDERING INFORMATION

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Tx



Rx



Rx Wall Bracket

DESCRIPTION

The RF200V is a high quality seven channel 5.8GHz audio / video wireless interface designed specifically for the CCTV industry. The kit consists of a Transmitter, Receiver and Wall Bracket.

The Transmitter and receiver both use a directional patch antenna to reduce external interference. The receiver has a built in 7 bar signal strength meter to obtain the best possible reception during an installation; a very important stage to help guarantee a reliable wireless video link.

Both units are housed in a small IP65 enclosure, so mounting outdoors is possible without the need for additional external waterproof enclosures. The receiver also comes with a mounting bracket providing X & Y movement for alignment purposes.

In addition this video link also transmits a digital input and tamper circuit. The digital input can be used for a PIR sensor or door contact etc. at the transmitter end and drives a volt free relay at the receiver. The output can be programmed as a momentary output, or a timed output from 1 second to 30 minutes.

The tamper channel monitors an external input at the transmitter, both transmitter and receiver cases for lid removal and loss of the wireless link. The output is via a normally closed volt free contact.

Configuration of the RF200V is via a simple one button programming method. On the transmitter only the RF channel needs to be programmed. The receiver has two steps: the first is to pair the receiver to the transmitter and the second (if required) is to set the output timer. The whole process takes less than five minutes to configure.

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TECHNICAL SPECIFICATION

Model Number	RF200V
ELECTRICAL	
Operating Voltage	11 - 13V DC
Operating Current (Tx)	150 mA (Max.)
Operating Current (Rx)	200 mA (Max.)
Relay Max. Working Voltage (Volt Free)	30V AC/DC
Relay Max. Working Current	1A
Video Input / Output	1V P-P (+/- 0.2V)
Video Frequency Response	+/- 5dB max 50Hz 5.5MHz
Audio Input / Output	1V P-P
Audio Frequency Response	50Hz—20KHz
RADIO	
Operating Frequencies	5725 - 5875MHz
Transmit Power	<= 25mW (14dBm)
Video - Audio Modulation / Demodulation	FM-FM
Video Deviation	4MHz (SSB)
Audio Deviation	75KHz (SSB)
MECHANICAL	
Receiver Case Size (With Grommet)	140 x 65 x 40mm
Transmitter Case Size (With Grommet)	140 x 65 x 40mm
Case Rating	IP65
ENVIRONMENTAL	
Temperature Range	-10 to +55 Degrees
Relative Humidity	95% Non-Condensing

Features and specifications are subject to change for further improvement without any notice