

## Short-Range Wireless Video & Data



When conventional cable installations are impractical or impossible the SR5800D-8 Integrated systems provide high quality real-time wireless video and PTZ control. The SR5800D-8 is designed to provide exceptional performance through all climates and is not effected by fog, rain, or snow.

### A Multitude of Features:

- The most cost effective solution.
- Eight field-selectable channels of operation.
- LED power light on both transmitter and receiver.
- High technology micro-strip antennas
- Optional thermostatically controlled heater.
- Seamless operation with any RS422 PTZ camera.
- The system is "turn-key." No extras to purchase.
- No user license required.

## Options

### SR5805D-8

This system is for short-range video and data transmission up to 500 feet. The SR5805D-8 video is transmitted and received by an internal four-element microstrip antenna. Control data is transmitted and received by external mast-mounted Yagi antennas.

### SR5815D-8

This system is for short-range video and control data transmission up to 1,500 feet. The SR5815D-8 transmits video with an internal, four element micro-strip antenna and receives video with an internal phased-array, micro-strip antenna. Control data is transmitted and received by an external mast-mounted Yagi antenna.

### SR5840D-8

This system is for short-range video and control data transmission up to 4,000 feet. The SR5840D-8 transmits video with an internal, single-element micro-strip antenna and receives with an internal phased-array, micro-strip antenna. Control data is transmitted and received by external mast-mounted Yagi antennas.



The SR500D-8 System includes: (1) Video Transmitter/PTZ Data Receiver w/Internal Video Antenna and External Data Antenna, (1) Video Receiver/PTZ Data Transmitter w/Internal Video Antenna and External Data Antenna, (2) DC Power Adapters, (1) Installation/Operation Manual, (2) Pole Mount Brackets and Mounting Hardware.

### Video Transmitter TX-5800D-8 Series

Power Options	12VDC @ 500mA wall transformer (standard) or 85-264VAC, 50/60Hz, 25 watts
Heater Model Power Options	24VAC @ 1.4A wall transformer (standard) or 85-264VAC, 50/60Hz, 40 watts
Frequency Band	5.732 GHz to 5.867 GHz
Frequency Accuracy	50 ppm, -20°C (-4°F) to +45°C (+113°F)
Effective Radiated Power	50,000 µV/meter @ 3 meters
Transmitter Attack Time	Less than 5 m sec.
Spurious & harmonic	Less than -60 dBc
Modulation	FM video
Pre-Emphasis	Complies with IRT and CCIR, 405-1
Transmitter Antenna	Gain + 3 dBI/160°
Video input	BNC female connector
Video input format	B/W or Color, NTSC or PAL composite video signal
Video input level	1.0 V P~P, 75 Ω

### PTZ Data Transceiver SR900DM

Power Options	12VDC @ 500mA wall transformer (standard) or 85-264VAC, 50/60Hz, 25 watts
Heater Model Power Options	24VAC @ 1.4A wall transformer (standard) or 85-264VAC, 50/60Hz, 40 watts
Operating Temperature	-20°C (-4°F) to +65°C (+149°F)
Frequency Band	902-928MHz
Output Power	100mW
Radio Technique	FHSS
Modulation	FSK
Channels	32
Antenna Connector	"N" Type Female (50 Ω)
Supported Manufacturers	American Dynamics, Bosch/Phillips, GE/Interlogix/Kalatel, Panasonic, Pelco, Sensormatic, Ultrak, Vicon

### Video Receiver RX-5800D-8 Series

Power Options	12VDC @ 500mA wall transformer (standard) or 85-264VAC, 50/60Hz, 25 watts
Heater Model Power Options	24VAC @ 1.4A wall transformer (standard) or 85-264VAC, 50/60Hz, 40 watts
Receiver Input Sensitivity	-70dBm
Receiver Accuracy	0.02%, -20°C (-4°F) to +45°C (+113°F)
Effective Radiated Power	50,000 µV/meter @ 3 meters
Spurious & harmonic	Less than -60 dBc
Noise Figure (total system)	<4 dB
Video Output	BNC female connector
Video Output level	1.0 V P~P, 75 Ω
Receiver Antennas	RX5805D Gain + 3 dBI/70° RX5815D Gain +12 dBI/22° RX5840D Gain +24 dBI/14°

#### Power

Phoenix contact P/N 1757019

#### Physical dimensions

Size 9.3" (23.6 cm) Wide x 11.3" (28.7 cm) High x 5.3" (13.5 cm) Deep  
Weight 7 lbs (3.2 kg)

*Weatherproof NEMA 4X non-metallic enclosure provided with a mast-mounted bracket (2" diameter mast, minimum size.)*

