

# WIRELESS VIDEO COMMUNICATIONS

## Models CS-302 (VIDEO) & 402 (VIDEO/AUDIO)



With the growing use of CCTV in all aspects of security and surveillance, users are faced with the need for quick and simple connectivity. The new Premier Wireless systems are ideal for use by CCTV professionals to provide a wireless video link from a remote camera to the nearest monitor. The systems can be purchased as stand alone units or integrated into NEMA enclosures for outside installation. Data transmission for P/T/Z control is an available option and is compatible with most camera control systems available from other manufacturers.

### **BENEFITS to Wireless Video**

- *Cost Savings:* By eliminating the need for costly labor and materials to install cable.
- *Immediate Installation:* Premier Wireless products are available off the shelf and are easily installed.
- *Flexibility:* A wireless link can be disconnected and re-installed at a new location within minutes.

### **Product FEATURES**

Premier systems offer the CCTV professional the most comprehensive set of product features available today.

These include:

- Full motion color video and audio.
- Ten user selectable channels.
- No User License required, FCC Certified.
- Many antenna options for different applications.
- Contact status (4 contacts).
- Serial communications port for system control and monitoring.

### **APPLICATIONS**

- CCTV, security and surveillance
- State and Local Law Enforcement
- Video Distribution
- Large multi-camera installations (with or without P/T/Z control)

## **NEW FEATURES simplify wireless CCTV projects.**

**Large Multi-Camera Projects:** The CS-302 & 402 use the 5.8 GHz band that is virtually unused by other equipment. Interference problems that made the 900 MHz band unusable for video and the 2.4 GHz band difficult are a thing of the past. The 10 independent channels combined with Premier's antenna technology allow large multi-camera projects to be planned with confidence.

**Installation Simplified:** Using the "System Test" mode simplifies the whole installation process. In System Test the video transmitter will transmit status information to the video receiver on a sub-carrier.

**Added Functions:** Available on the CS-302 & 402 are four (4) contact inputs to the transmitter which are relayed to the receiver. These contacts can be used for monitoring gate openings, video motion detection and many other similar applications.

# Specifications

## Video I/O

Signal Formats ..... NTSC & PAL  
 Input Level ..... 1.0 Volt p-p  
 Output Level ..... 1.0±0.2 Volt p-p  
 Impedance ..... 75 ohms  
 Video Bandwidth ..... 5.0 MHz min  
 Pre-Emphasis / De-emphasis ..... CCIR  
 Connector ..... BNC

## Audio I/O (CS-402)

Channels ..... 1  
 Input Level ..... -9.0 dBv (1 Vp-p)  
 Input Impedance ..... > 10,000 ohms  
 Output Level ..... 0 dBm into 600 Ohms  
 Output Impedance ..... Low Impedance  
 Frequency Response ..... 150 Hz to 15 KHz  
 Pre-Emphasis/De-Emphasis ..... .75 u Sec  
 Connector ..... BNC

## Contact I/O

Number of Input ..... 4  
 Input ..... .5 V Logic (normally high) or Contact (open or close)  
 Output ..... .5 V Logic, 10 mA max  
 Connectors ..... RJ-45

## Transmitter

Radiated Power ..... FCC Part 15 (15.249)  
 Connector Antenna ..... SMA Jack, Reverse Polarity

## Receiver

Connector Antenna ..... SMA Jack

## Microwave System

Frequency Of Operation ..... 5725 to 5875 MHz  
 Channels (User Selectable) ..... 10 (14.75 MHz channel bandwidth)

## Channel Frequencies

5733.75 MHz 5807.50 MHz  
 5748.50 MHz 5822.25 MHz  
 5763.25 MHz 5837.00 MHz  
 5778.00 MHz 5851.75 MHz  
 5792.75 MHz 5866.50 MHz

## Modulation

..... FM  
 Range ..... 1,000 Ft. Clear Line of Sight  
 (Consult factory for extended operating range)

## Controls & Indicators

Channel Change ..... Push Button  
 System Test ..... Push Button (TX Only)  
 RSSI Level ..... Push Button (RX Only)  
 LED Indicators  
 TX & RX ..... Channel & Low Supply Voltage  
 TX Only ..... No Video Input & System Test  
 RX Only ..... RSSI Level/TX Status

## Power

Input Voltage (reverse polarity protection) ..... 7.0 to 20.0 VDC  
 Input Current  
 Transmitter ..... < 195 mA (@ 12.0 VDC)  
 Receiver ..... < 205 mA (@ 12.0 VDC)  
 Input Connector ..... Coaxial (5.5/2.1 mm)  
 Reverse Polarity Protection

## Mechanical & Environmental

Weight (Each Unit) ..... < 7 Oz  
 Dimensions (excluding connectors)  
 Transmitter ..... 3.0" x 4.0" x .085"  
 Receiver ..... 3.0" x 4.5" x .085"

Operating Temperature ..... -20°C to +65°C  
 Storage Temperature ..... -50°C to +85°C

*Specifications subject to change without notice.*



CCTV System with CS-302, NEMA Enclosure and Panel Antenna

## System Components

The CS-302 & 402 come with two AC/DC power supplies and a manual.  
 \*\* Antennas for the systems must be ordered separately \*\*

For additional information please request the following:

Product	Description
CS-122, 132 <sup>cc</sup> , & 222 <sup>cc</sup> BE-322 & 332 <sup>cc</sup>	Standard 2.4 GHz wireless video systems
BE-402, 472 & 482	2.4 GHz diversity wireless video systems for wireless camera applications
BE-522 & 532	2.4 GHz high power systems
BE-600 & 650	5.8 GHz standard and diversity wireless video systems for wireless camera applications
BE-700 & 750	1.8 GHz high power systems for federal applications
Air Guard	Integrated wireless video and control systems for CCTV applications with both 2.4 & 5.8 GHz wireless video units
Antenna Catalog	Brochure describing all antenna options



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