

# WIRELESS VIDEO COMMUNICATIONS

## Models BE-522 & 532 (2.4 GHz) & BE 700 (1.8 GHz) High Power



BE-700R (Receiver) & BE-530T, 700T Transmitters

With the growing use of video information in all aspects of communication, users are faced with the need for quick and simple connectivity. The Premier Wireless systems are ideal for use by video professionals to provide a wireless video link from a remote camera to the nearest monitor. The transmitter and receiver are easily installed in either fixed point to point or mobile wireless camera applications. The systems can be operated from AC or 12.0 volt DC power sources. Combined with a large selection of antennas and accessories for use in different applications, these systems provide the ultimate in user flexibility.

### 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 can be installed in minutes.
- Flexibility: A wireless link can be disconnected and re-installed at a new location within minutes.
- Mobility: A wireless video system attached to a camera provides complete freedom to go where the action is.

### Product FEATURES

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

These include:

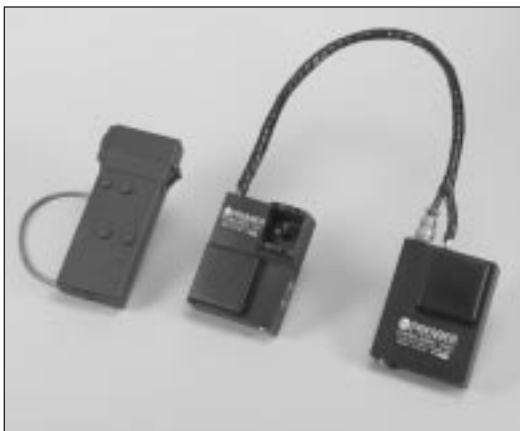
- Full Motion Color Video and Audio
- Four (2.4 GHz) or Eight (1.8 GHz) User Selectable Channels
- Mic & Line Level Audio
- Many Antenna Options for different Applications
- Longer Range than any competitive product
- BE-522 & 532: 250mW @ 2.4 GHz
- BE-700: 500mW @ 1.8 GHz

### APPLICATIONS

- CCTV, security and surveillance
- ENG and Live Sporting Events
- Covert Surveillance
- State and Local Law Enforcement
- Federal Law Enforcement
- Wireless Camera Applications

### Note:

- 1 In the U.S. these transmitters may only be operated by Federal Agencies or users with an operating license from the FCC.
- 2 The BE-532 is available for export only.



High Power Transmitter used in Body Worn TT-100 Tactical Unit for Law Enforcement



BCR-100 Briefcase Receiver used with High Power Transmitter for Covert Applications

# Basic System Components



BE-700 System

Premier Wireless manufactures a broad range of products for different applications.

For additional information on some of these products please request the following:

Product	Description
BE-400 Series	Diversity wireless video system for wireless camera applications.
CL-1000	Control link for wireless transmission of Pan/Tilt/Zoom control signals.
AG-1400 & 1500	Integrated wireless video and control systems for CCTV applications.
Liberty 2000	Wireless video system for remote video conferencing with full duplex audio.
Antenna Catalog	Brochure describing all antenna options.
TVS-100 & 200	Tactical body worn wireless video system for law enforcement.
BCS-100 & 200	Briefcase system for covert and mobile security and law enforcement applications.



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## Specifications

### Video Input & Output

Signal Formats .....NTSC & PAL  
 Input Level .....1.0 Volt p-p  
 Output Level .....1.0 ± .2 Volt p-p  
 Impedance .....75 ohms  
 Video Bandwidth .....5.0 MHz min  
 Pre-Emphasis/ De-emphasis .....CCIR  
 Connector .....BNC

### Audio Input & Output

Channels .....1  
 Input Level .....-40.0 dBv and 0.0 dBm  
 Input Impedance .....10K ohms and 600 ohms, Balanced  
 Output Level .....0 dBm  
 Output Impedance .....Low Impedance, Unbalanced  
 Frequency Response .....150 Hz to 15 KHz  
 Pre-Emphasis/De-Emphasis .....75 u Sec  
 Connector (Transmitter) .....Mini-XLR  
 (Receiver) .....RCA

### Transmitter

Radiated Power (2.4 GHz) .....+ 24.0 dBm Typical  
 (1.8 GHz) .....+ 27.0 dBm Typical  
 Connector Antenna .....SMA Jack  
 Antenna .....Optional, specified by user

### Receiver

Connector Antenna .....SMA Jack  
 Antenna .....Optional, specified by user

### Microwave System

	BE-522	BE-532	BE-700
Frequency of Operation (MHz)	2450-2483	2400-2483	1710-1850
Channels (User Selectable)	2	4	8
Channel Frequencies (MHz)	2462.5 2472.5	2412.5 2432.5 2452.5 2472.5	1728 1744 1760 1776 1792 1808 1824 1840

Channel Control .....Rotary Switch  
 Modulation .....FM  
 Range (with 2dBi antenna gain) .....10,000 Ft. Clear Line of Sight  
 (Consult factory for extended operating range)

### Power

Input Voltage .....7.0 to 20 VDC  
 Input Current  
     Transmitter (2.4 GHz) .....< 170 mA  
     (1.8 GHz) .....< 250 mA  
     Receiver .....< 140 mA  
 Input Connector .....Coaxial (5.5/2.1 mm)  
 Reverse Polarity Protection

### Mechanical

Weight (Transmitter) .....< 4.0 oz  
 (Receiver) .....< 6.5 oz  
 Dimensions (excluding connectors)  
     Transmitter (2.4 GHz) .....2.0 x 3.25 x 0.7  
     (1.8 GHz) .....2.0 x 3.50 x 0.7  
     Receiver .....2.5 x 4.50 x 0.7

### Environmental

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

Specifications subject to change without notice.