



## CX9000 Series Receiver

### COAXITRON® COMPATIBLE, PRESET POSITIONING, OUTDOOR

#### Product Features

- Coaxitron Compatible, Fixed Speed
- Pan/Tilt Control
- Lens Control (Zoom, Focus, Iris)
- Preset Positioning
- Camera and Pan/Tilt Power
- NTSC or PAL Video



CX9024RX-PP RECEIVER

The **CX9000 Series** Coaxitron® receiver operates all of Pelco's fixed speed pan/tilts and domes with preset positioning. For pan/tilts and domes without preset positioning, refer to the IRD/ERD2000 Series receiver.

Standard features include pan/tilt control, camera power, lens control (zoom, focus, and iris), preset positioning, and an open collector transistor (latching) output for manual override of an automatic iris control. Depending on the model, input voltage is either 120 or 230 VAC, and output voltage for camera and pan/tilt power can be either 24, 120, or 230 VAC.

The **CX9000 Series** receiver is compatible with the following Coaxitron controllers: CM6700, CM6800, MPT9500, MX4000, and CM9700 Series. A CM9700 Series controller requires a CM9760-CXTA Coaxitron translator. With Coaxitron control, pan/tilt and lens control signals are transmitted from the controller to the receiver over the video coaxial cable, saving wiring costs. The control data is superimposed on the vertical blanking interval of the video signal.

Also available is the test local control (CX900TLC) module which allows on-site testing of system functions. Just plug the TLC module into the connector on the receiver and you are ready to test the system functions. The TLC module operates on +10 VDC supplied by the receiver and controls these functions: iris open/iris close, focus near/focus far, zoom telephoto/zoom wide, tilt up/tilt down, pan

left/pan right, automatic iris operation with manual override (using AI701), and auto/manual scan.

All models are rated for outdoor use. The receiver circuitry is installed in a sturdy fiberglass box with door latches that can be padlocked. The box includes four mounting holes for attaching the receiver to a wall or to a pole mount. All wiring enters through connectors on the bottom of the box to keep out water.



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International Standards  
Organization Registered Firm;  
ISO 9001 Quality System



# TECHNICAL SPECIFICATIONS

## MODELS

CX9024RX-PP	Outdoor, fixed speed, Coaxitron receiver, 120 VAC input, 24 VAC output for camera power and pan/tilt operation
CX9024RX-PP220	Outdoor, fixed speed, Coaxitron receiver, 230 VAC input, 24 VAC output for camera power and pan/tilt operation
CX9115RX-PP	Outdoor, fixed speed, Coaxitron receiver, 120 VAC input, 120 VAC output for camera power and pan/tilt operation
CX9220RX-PP	Outdoor, fixed speed, Coaxitron receiver, 230 VAC input, 230 VAC output for camera power and pan/tilt operation

## ELECTRICAL

<b>Input Voltage</b>	
CX9024RX-PP	120 VAC, 60 Hz
CX9115RX-PP	120 VAC, 60 Hz
CX9024RX-PP220	230 VAC, 50 Hz
CX9220RX-PP	230 VAC, 50 Hz
<b>Output Voltage (Camera, Pan/Tilt)</b>	
CX9024RX-PP	24 VAC
CX9024RX-PP220	24 VAC
CX9115RX-PP	120 VAC
CX9220RX-PP	230 VAC
<b>Power Consumption</b>	
Receiver	5 VA (120 VAC or 24 VAC)
Pan/Tilt Supply	140 VA maximum (120 VAC) 50 VA maximum (24 VAC)
Lens Supply	0-4 VA maximum
Camera Supply	15 VA (typical)
Control Method	Standard Coaxitron
Connectors	Two BNC connectors for video input and output One 37-pin AMP CPC for control output (mate supplied)
Input Video Level	1 Vp-p nominal; 2 Vp-p maximum at less than 75 percent APL; 1.5 Vp-p maximum at 90 percent APL
System Bandwidth	Less than 2 dB down at 10 MHz (exclusive of cable)
Fuse Protection	3 AG type
Power Cord	3-wire grounded, 18 AWG
Operating Distance	Cable distances are approximate according to the cable type used. 75-ohm coax required.

Cable Type	Distance	Distance Using EA2000
RG59/U	750 ft (229 m)	3,000 ft (914.4 m)
RG6/U	1,000 ft (305 m)	4,500 ft (1,371.6 m)
RG11/U	1,500 ft (457 m)	6,000 ft (1,828.8 m)
RG15/U	—	8,000 ft (2,483.4 m)

## GENERAL

Operating Temperature	-4° to +140°F (-20° to +60°C)
Construction and Finish	Dark gray fiberglass
Latches	Two latches (accommodates padlocks; not supplied)
Dimensions	11.62" L x 9.44" W x 4.32" H (29.51 x 23.98 x 10.97 cm)
Unit Weight	6 lb (2.72 kg)
Shipping Weight	8 lb (3.63 kg)

## CERTIFICATIONS/RATINGS

- CE, Class B (CX9024RX-PP220)
- UL Listed (CX9024RX-PP and CX9115RX-PP)
- FCC, Class B
- Meets NEMA Type 4X standards

## OPTIONAL ACCESSORIES

### Mounts

PA9000	Pole mount adapter.
PA102	Pole mount. Must be used with PA9000 adapter.

### Other

CM9760-CXTA	Coaxitron translator to interface CX9000 Series receiver with CM9700 Series Matrix.
CX900TLC	Receiver plug-in module for testing control functions
EA2000	Half-duplex equalizing amplifier.



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