IRD/ERD2000 Series Receiver
COAXITRON® COMPATIBLE, FIXED SPEED

CE
IP66

Product Features

- Indoor/Outdoor Models
- Coaxitron Compatible, Fixed Speed
- Pan/Tilt Control, Including Auto and Random Scan
- Lens Control (Zoom, Focus, Iris)
- Camera Power (24 VAC)
- Enclosure Power (Outdoor Model Only)
- Two Auxiliary Outputs
- NTSC or PAL Video
- Test Local Control Capability
- Ground Isolated BNCs (Eliminates Ground Loops)
- Video Transient Protection
- Power and Communication Indicator LEDs
- Lockable Enclosure (Outdoor Model Only)

ERD2200 OUTDOOR RECEIVER

IRD2024 INDOOR RECEIVER

The **IRD/ERD2000 Series** Receiver operates all of Pelco's fixed speed pan/tilts and domes. It replaces the non-preset models in the CX9000RX/RXI Series Receiver. This receiver offers removable screw terminal connectors for quick and easy installation. Power and communication indicators are provided for troubleshooting purposes.

The **IRD/ERD2000 Series** works with standard and extended Coaxitron controllers, including the CM6700/6800/9500, KBD9000, MPT9000/9500, and MX4000. With Coaxitron control, pan/tilt and lens control signals are transmitted over the video coaxial cable, saving wiring costs. The control data is superimposed on the vertical blanking interval of the video signal.

Standard features include pan/tilt control (including auto and random scan), camera power, lens control (zoom, iris, and focus), and two auxiliary outputs. The receiver also can be used with the LRD41TLC Test Local Control module, which allows on-site testing and troubleshooting of system functions. The TLC module plugs into the receiver and operates off the receiver's power. Use the TLC to check pan/tilt functions (up, down, left, and right), iris open/close, focus near/far, and zoom telephoto/wide angle.

The indoor model accepts 24 VAC input and provides 24 VAC output for camera power and pan/tilt operation. Simplicity of design allows the indoor unit to be installed in a weatherproof housing to create the outdoor model. The outdoor model accepts either 120 or 230 VAC input. It supplies 24 VAC for camera power, 24, 120, or 230 VAC for pan/tilt operation, and 120 or 230 VAC for heater, blower, or defroster accessories inside the camera enclosure.

TECHNICAL SPECIFICATIONS

MODELS

IRD2024	Indoor, fixed speed, Coaxitron receiver, 24 VAC input, 24 VAC output for camera power and pan/tilt operation
ERD2200	Outdoor, fixed speed, Coaxitron receiver, 120/230 VAC input, 24 VAC output for camera power, 24, 120, or 230 VAC output for pan/tilt operation, and 120 or 230 VAC output for enclosure accessories

ELECTRICAL

Input Voltage
- IRD2024 — 24 VAC, 50/60 Hz
- ERD2200 — 120/230 VAC, 50/60 Hz

Output Voltage
- IRD2024
  - Camera, Pan/Tilt — 24 VAC
  - Lens — 8 VDC
- ERD2200
  - Camera — 24 VAC
  - Lens — 8 VDC
  - Pan/Tilt — 24/120/230 VAC
  - Enclosure — 120/230 VAC

Power Consumption — 5 vA at rated voltage (not including pan & tilt or camera)

Video Input/Output — 75 ohms
Video Bandwidth — 10 MHz
Video Gain — Unity
Video Formats — NTSC or PAL
Control Method — Standard or extended Coaxitron

Auxiliary Outputs
- AUX 1 — One open collector, TTL 5 VDC, 15-20 mA (used for wiper or low current relays)
- AUX2 — One Form C relay output (NO/NC) 1A @ 24 VDC or .5A @ 120 VAC

Operating Distance — Cable distances are approximate according to cable type used. 75-ohm coax required.

Cable Type	Distance	Distance Using EA2000
RG59U	750 ft (229 m)	3,000 ft (914.4 m)
RG6	1,500 ft (457 m)	4,500 ft (1,371.6 m)
RG11	1,800 ft (549 m)	6,000 ft (1,828.8 m)
RG15	—	8,000 ft (2,483.4 m)

MECHANICAL

Connectors
- Video — BNC
- Pan/Tilt — Screw terminals
- Camera and Lens — Screw terminals
- Power Connectors — Screw terminals

Cable Entry
- IRD2200 — Openings for .75-inch (1.9 cm) conduit

GENERAL

Environment
- IRD2024 — Indoor
- ERD2200 — Outdoor

Construction
- IRD2024 — Aluminum
- ERD2200 — Aluminum (receiver), steel (housing)

Finish
- IRD2024 — Black polyester powder coat
- ERD2200 — Gray polyester powder coat

Operating Temperature
- IRD2024 — -10° to 122°F (-23° to 50°C)
- ERD2200 — -50° to 122°F (-46° to 50°C)

Dimensions
- IRD2024 — 10.3" L x 6.0" W x 1.75" H (26.2 x 15.2 x 4.4 cm)
- ERD2200 — 15.2" L x 12.2" W x 5.0" H (38.6 x 31.0 x 12.7 cm)

Unit Weight
- IRD2024 — 1.25 lb (0.5 kg)
- ERD2200 — 9.90 lb (4.5 kg)

Shipping Weight
- IRD2024 — 3 lb (1.3 kg)
- ERD2200 — 13 lb (5.8 kg)

CERTIFICATIONS/RATINGS

- ◆ CE, Class B
- ◆ FCC, Class B
- ◆ Meets NEMA 1, IP10 Standards (IRD2024); NEMA 4, IP66 Standards (ERD2200)

OPTIONAL ACCESSORIES

LRD41TLC — Test local control module. Receiver plug-in module for on-site testing of system functions

RECOMMENDED POWER SUPPLIES

MCS Series — Indoor power supply, 24 VAC output. Recommended for use with IRD2024. *(See C653 spec)*