



EA2000 Equalizing Amplifier

HALF-DUPLEX, COAXITRON® CONTROL

Product Features

- 120 or 230 VAC Input (for Wall Transformer)
- For use with Coaxitron® Control Systems
- Solid-State Circuitry
- For Post-Equalization Applications Only
- Desktop or Rack Mount



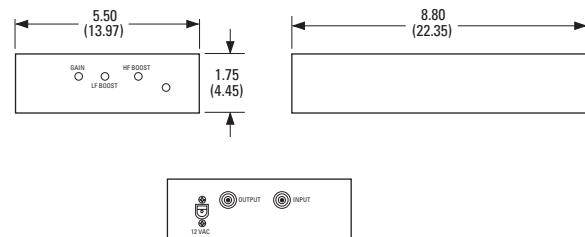
The **EA2000** is a half-duplex video/control equalizing amplifier intended for, but not restricted to, use with Pelco's Coaxitron® controls.

The **EA2000** provides a low cost, highly effective means of maintaining picture quality in runs of up to 3,000 feet (914 m) of RG59/U coaxial cable and also maintains the quality of the Coaxitron control signal. Front panel controls provide for adjustable amplifier flat gain of 1 to 8 dB, plus adjustable high frequency boost of 0 to greater than 18 dB at 12 MHz, maintaining full video amplitude, contrast and detail.

The **EA2000** features all solid-state circuitry and is supplied with a U.L. Listed wall transformer.

Applications of the **EA2000** should be for post-equalization only (located near the monitoring equipment); use as a pre-equalizer is discouraged.

Three units can be rack mounted using the R300 rack mount kit, or two units can be mounted side-by-side in one chassis using the DT200 dual desktop mount kit.



NOTE: VALUES IN PARENTHESES ARE CENTIMETERS; ALL OTHERS ARE INCHES.



TECHNICAL SPECIFICATIONS

MODELS

EA2000	Half-duplex equalizing video/control amplifier, 120 VAC operation
EA2000/220	Same as EA2000 except 230 VAC operation

ELECTRICAL

Input Voltage	120 VAC, 50/60 Hz or 230 VAC, 50 Hz										
Power Requirements for Transformer	1.5 VA (0.125 amp) at 12 volts RMS $\pm 15\%$, 50-60 Hz from a dedicated, isolated source										
Input	Single (BNC), internally terminated at 75 ohms										
Output	Single (BNC), source terminated										
Frequency Response	Adjustable from flat (± 1 dB) at 12 MHz to greater than 18 dB of boost at 12 MHz										
Gain	Adjustable from 1-8 dB										
Signal-to-noise Ratio	-74 dB										
Output	Up to 2 Vp-p at 50% APL										
Dynamic Range	Up to 1.5 Vp-p at 90% APL										
Tilt	Less than 2%										
Cable Lengths	<table> <thead> <tr> <th>Cable Type</th> <th>Maximum Effective Distance</th> </tr> </thead> <tbody> <tr> <td>RG59/U</td> <td>3,000 ft (914.4 m)</td> </tr> <tr> <td>RG6/U</td> <td>4,500 ft (1371.6 m)</td> </tr> <tr> <td>RG11/U</td> <td>6,000 ft (1828.8 m)</td> </tr> <tr> <td>RG15/U</td> <td>8,000 ft (2438.4 m)</td> </tr> </tbody> </table>	Cable Type	Maximum Effective Distance	RG59/U	3,000 ft (914.4 m)	RG6/U	4,500 ft (1371.6 m)	RG11/U	6,000 ft (1828.8 m)	RG15/U	8,000 ft (2438.4 m)
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GENERAL

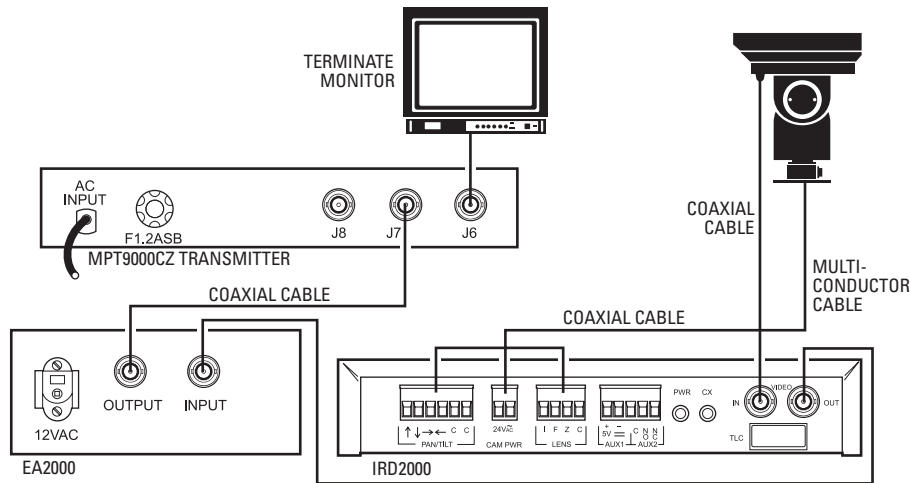
Construction	Steel, zinc plated
Chassis	Steel, black polyester powder coat
Cover	Aluminum, black polyester powder coat with white silk-screen
Panel	
Environment	32° to 120°F (0° to 49°C) 0% to 9% relative humidity
Unit Weight	3 lb (1.35 kg)
Shipping Weight	4 lb (1.8 kg)

CERTIFICATIONS/RATINGS

- CE, Class B (EA2000/220)
- UL Listed (EA2000)
- FCC, Class B (EA2000)
- Meets NEMA Type 1 standards

OPTIONAL ACCESSORIES

DT200	Dual desktop mount kit; two units can be mounted side-by-side in one desktop chassis.
R300	Rack mounting kit (1 RU) for up to three modules. Blank filler panels provided for less than three modules. (Factory racking available for R300 rack kit only. Specify when ordering.)



TYPICAL CONFIGURATION



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