



PRODUCT SPECIFICATION

EA2010 Video Amplifier POST-EQUALIZING, VIDEO ONLY



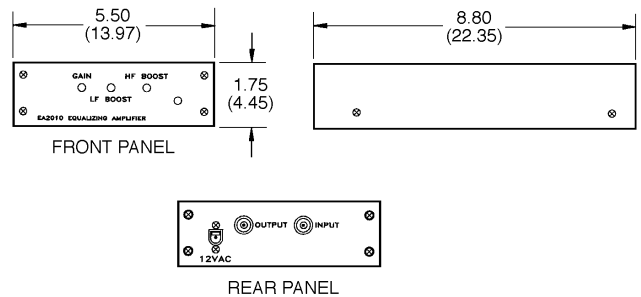
Product Features

- Solid-State Circuitry
- 120 or 230 VAC Input (For Wall Transformer)
- For Post-Equalization Applications Only
- Desktop or Rack Mount

The EA2010 provides a low cost, highly effective means of maintaining CCTV picture quality in runs of up to 3,000 feet (914 m) of RG59 coaxial cable (equally effective with other cable types). Front panel controls provide for adjustable overall amplifier flat gain of 1 to 8 dB, plus adjustable high frequency boost of 0 to 18 dB at 12 MHz, maintaining full video amplitude, contrast, and detail.

The EA2010 features all solid-state circuitry, and is supplied with a U.L. Listed wall transformer. Applications of the EA2010 should be for post-equalization only (located near the monitoring equipment); use as a pre-equalizer is discouraged.

The EA2010 is a desktop unit. Up to three (3) units can be mounted in a single 1.75-inch x 19-inch (4.44 cm x 48.26 cm) rack by 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

EA2010	Desktop post-equalizing video amplifier, highly effective in maintaining picture quality in runs of up to 3,000 feet (914 m) using RG59 coax cable
EA2010/220	Same as EA2010 except 230 VAC operation

ELECTRICAL

Input Voltage	120 VAC, 50/60 Hz or 230 VAC, 50 Hz										
Power Requirements for Transformer	1.5 vA (.125 amp) at 12 ±15% volts RMS 50/60 Hz from a dedicated, isolated power source										
Inputs	Single BNC internally terminated in 75 ohms										
Outputs	Single BNC source terminated										
Gain	Adjustable from 1 to +8 dB										
Frequency Response	Adjustable from flat (±1 dB) at 12 MHz, to greater than 18 dB of boost at 12 MHz										
Output Dynamic Range	Up to 2 volts p-p at 50% APL Up to 1.5 volts p-p at 90% APL										
Cable Lengths	<table> <thead> <tr> <th>Cable Type</th> <th>Maximum Effective Distance</th> </tr> </thead> <tbody> <tr> <td>RG59</td> <td>3,000 ft (914.4 m)</td> </tr> <tr> <td>RG6</td> <td>4,500 ft (1371.6 m)</td> </tr> <tr> <td>RG11</td> <td>6,000 ft (1828.8 m)</td> </tr> <tr> <td>RG15</td> <td>8,000 ft (2438.4 m)</td> </tr> </tbody> </table>	Cable Type	Maximum Effective Distance	RG59	3,000 ft (914.4 m)	RG6	4,500 ft (1371.6 m)	RG11	6,000 ft (1828.8 m)	RG15	8,000 ft (2438.4 m)
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MECHANICAL

Recessed Screwdriver Adjustments	Gain, HF Boost, LF Boost
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GENERAL

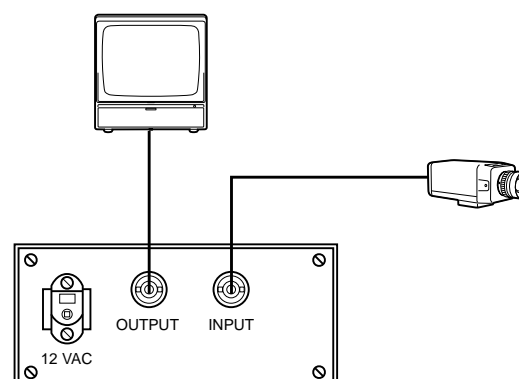
Construction	
Cover	Steel, black polyester powder coat
Chassis	Steel, zinc plated
Panel	Aluminum, black polyester powder coat
Environment	32° to 120°F (0° to 48.89°C) 0-90% relative humidity
Dimensions	See dimension drawing on front
Weight	3 lb (1.35 kg)
Shipping Weight	4 lb (1.8 kg)

CERTIFICATIONS

- ◆ UL listed to Standard 2044 (model EA2010)
NEMA Rating: 1
- ◆ CE compliant (model EA2010/220)

OPTIONAL ACCESSORIES

DT200	Dual desktop mount kit; two units can be mounted side-by-side in one desktop chassis. (See C965 spec)
R300	Rack mounting kit for up to three modules. Blank filler panels provided for less than three modules. 1 RU (Factory racking available for R300 rack kit only. Specify when ordering.) (See C965 spec)



TYPICAL CONFIGURATION