

VIDEO DISTRIBUTION AMPLIFIERS

ESE offers several DAs that operate with standard NTSC or PAL video signals. Described below are the **ES-207A** (1x4), **ES-208** (1x12) and **ES-247E** (Quad 1x6). The "Audio Counterparts" to the **ES-207A** and the **ES-247E** are described on page 5.

The **ES-247E** is a quad 6 output Video Distribution Amplifier housed in a traditional rack mount enclosure. Meanwhile, the **ES-207A** and **ES-208** Video Distribution Amplifiers answer the "one more unit" question with a versatile little package that can be stashed most anywhere, either temporarily or permanently. Controls are accessible with a miniature screwdriver through the front panel/top plate for Video Gain, HF Equalization and, in the case of the **ES-208**, DC Level. A single pair of BNC connectors are wired for a loop through input.

Features:

- Ruggedized Enclosure
- Video Gain & EQ Controls
- Loop-thru Input
- Equalization For Up To 1000' of RG-59 Cable
- Broadcast Quality Distribution
- DC Coupling Available
- Recessed Controls



These amplifiers can be used for distribution and for signal conditioning, with the EQ control equalizing up to 1000 feet of RG-59 coaxial cable. A very wide range of chroma level adjustment can be obtained with the Gain control. The **ES-208**'s output video should be set for 0 VDC (using the DC control) on the blanking or porch level, with video extending positive and sync negative.

Specifications

ES-207A	ES-208	ES-247E
Input: 1 Vpp	1 Vpp	1 Vpp
Source: 75Ω	75Ω	75Ω
Response: 10 Hz - 10 MHz, +/-1dB	10 Hz - 10 MHz, +/-1dB	10 Hz - 10 MHz, +/-1dB
Equalization: 1000' of RG-59	1000' of RG-59	1000' of RG-59
Gain: -2dB to +3dB	-2dB to +3dB	-2dB to +3dB
S/N Ratio: 62dB	62dB	62dB
Output Isolation: 45dB	45dB	45dB
Differential Gain: <.2%	<.2%	<.2%
Differential Phase: < .2°	< .2°	< .2°
Propagation Delay: 5ns	100ns	5ns
Gain Controls: One	One	Four (one per input)
Output Level: 1 Vpp	1 Vpp	1 Vpp
Connectors: BNC	BNC	BNC
Enclosure: Die-cast Orange Box	Die-cast Orange Box	Rack Mount
Dimensions: 4.7" x 3.7" x 2.2"	7.3" x 4.7" x 2.2"	1.75" x 19" x 5"
Electrical: 117 VAC, 50/60 Hz	117 VAC, 50/60 Hz	117 VAC, 50/60 Hz
Power Required: 3 Watts	3 Watts	10 Watts
Options: J, UL	J, UL	J, UL

