

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

