

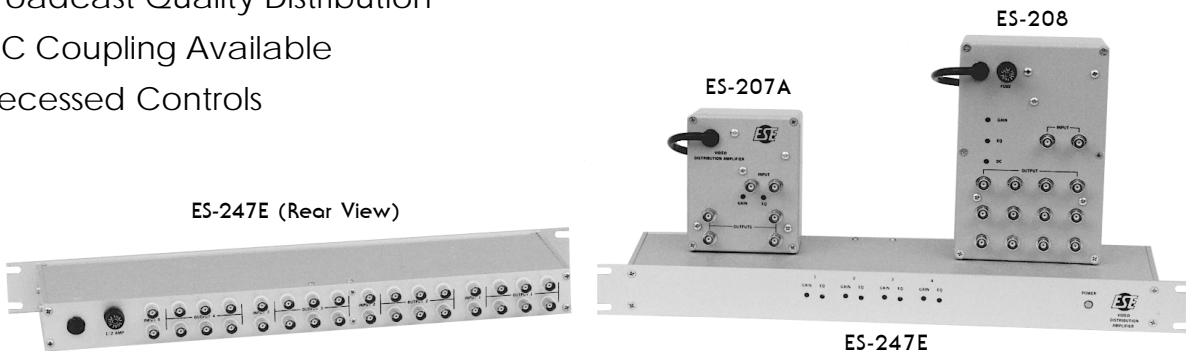
VIDEO DISTRIBUTION AMPLIFIERS

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 |

