ES-219A
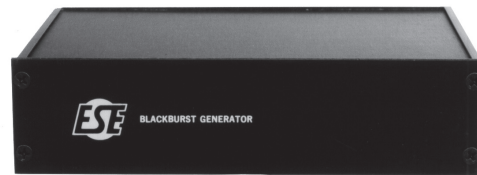## RS-170A BLACK BURST GENERATORS / SYNCHRONIZERS

The **ES-219A** is a Black-Burst / Sync Generator with four isolated outputs. The unit provides a dependable and stable composite black-burst signal for pre-blacking tapes and/or for general synchronization purposes. The output signal of the **ES-219A** consists of sync, blanking, reference black setup level and color burst which is SCH phased. Subcarrier frequency and SCH phase may be adjusted if desired.
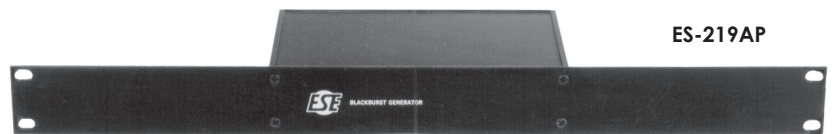
Applications:
- Multi-Camera Video Signal Synchronization
- Broadcast Systems   • Pre-Blacking Tapes
- Desk Top Video Editing Systems

Features:
- Optional Rack Mount Enclosure
- Four Isolated RS-170A Black Outputs
- Optional Audio Reference Tone (1 KHz Output) via RCA Connector
- All Outputs Via BNC Connectors   • Optional Combo Rack Mount (ES-219 with ES-233 Video Fader)

ES-219A

ES-219AP

Specifications

Output: 4 BNC, 75 ohm, RS-170A composite video Sync & Burst 40 IRE, Setup 7.5 IRE

Mechanical: 7" W x 1.6" H x 5" D; Black Anodized

Power: 117 VAC, 50/60 Hz; 2 W Max.
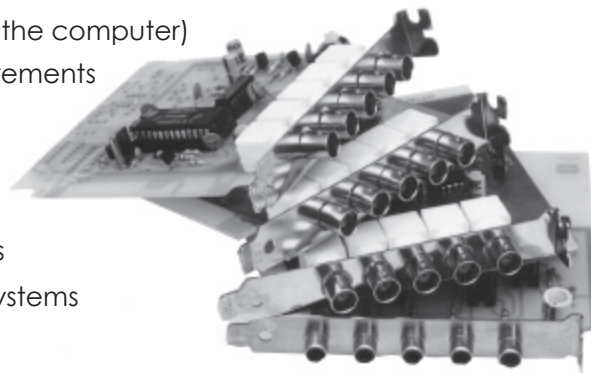
Options: J, P, P2, Tone, UL

PC-219ISA

The **PC-219ISA** is designed to plug into any computer with PC/compatible expansion slots (ISA). The unit provides a stable composite black-burst signal identical to that of the **ES-219A**. Subcarrier frequency and SCH phase may be adjusted if desired. The board is half card size and requires no additional power (other than that provided by the computer). Five isolated outputs (BNC Connectors) are located on the rear card guide bracket. Optionally, one output of the **PC-219ISA** may be specified for either sync or an audio reference tone (1 KHz) instead of the composite black.

Features:
- Invisible (mounted inside the computer)
- No External Power Requirements
- Easy Installation

Applications:
- Computer Based Systems
- Desk Top Video Editing Systems

Output Specifications

Video: Five BNC, 75 ohm, RS-170A composite video

Sync & Burst: 40 IRE

Setup: 7.5 IRE

Optional sync output: 2 Vpp into 75 Ω

Optional audio tone: 983 Hz, 0 dbv, adjustable

Other ESE Computer Card Products (The "PC" Family)

- **PC-207ISA** (1 x 4 - Video Distribution Amplifier)
- **PC-217ISA** (1 x 4 - Audio Distribution Amplifier)
- **PC-237ISA** (1 x 4 - 120 MHz High Resolution Video DA)
- **PC-273ISA** (IRIG-B Reader Cord)
- **PC-770ISA** (5000 event Real Time / SMPTE Comparator)
- **PC-771ISA** (16 Channel Expander Card for the **PC-770)**