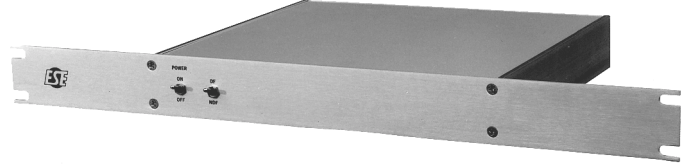


# IRIG-B to SMPTE TIME CODE CONVERTER

The **ES-274** is a Time Code Converter that automatically synchronizes (Jam Syncs) to IRIG-B Time Code and outputs SMPTE Time Code. EBU Time Code is optionally available. The unit allows video tape (previously striped with IRIG-B) to be more easily edited using SMPTE (EBU) editing equipment.

Drop-Frame or non-Drop-Frame is selectable via a front panel mounted switch. The four rear-mounted BNC connectors accept the IRIG-B Time Code, the Color Frame input (for synchronizing the color frame orientation) and a Video Sync Loop-thru input (for synchronizing the time code frame crossing to video). The SMPTE time code output is accessible on the rear-mounted XLR connector.



## SPECIFICATIONS

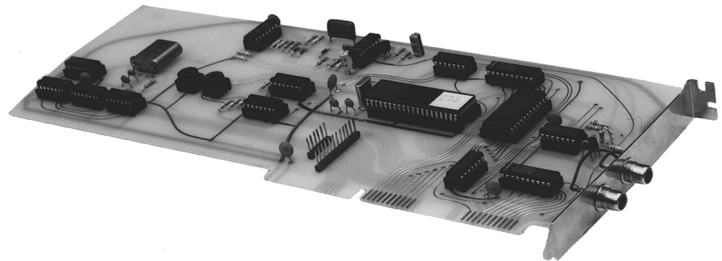
**Power:** 5 Watts max.  
**Electrical:** 117 VAC, 50/60 Hz  
**Enclosure:** Rack Mount  
**Dimensions:** 1.75" H x 19" W x 9 1/2" D  
**Time Code Input:** IRIG-B  
**Input Impedance:** 25K $\Omega$  min.

**Mark Amplitude:** .3 Vpp to 10 Vpp  
**Mark to Space Ratio:** 3:1 nominal  
**Time Code Output:** SMPTE - 0 db into 600 $\Omega$ , balanced  
**Video In/Out:** 1 - 2 Vpp, unterminated  
**Color Frame Input:** TTL or CMOS Field #1 Negative Pulse  
**Options:** DC, J, UL, 1pps

# IRIG-B / ASCII INTERFACE CARD

The **PC-273** is a "PC" card designed to plug into any "AT" computer. The unit continuously reads IRIG-B Time Code and updates a buffer memory upon receiving a command from the computer. Twelve digits of data are available (Days, Hours, Minutes, Seconds & Milliseconds).

The **PC-273** also provides four frequency outputs (1, 10, 100 & 1000 Hz) that may be wire-wrap jumpered to any one of the 11 interrupt request lines available on the "AT" I/O channel. An external trigger signal input is also provided (via the lower RCA connector) that may be wired to one of the interrupt request lines. (Interfacing with non-"AT" systems can be achieved by specifying option "4", RS-232C Output, on many of the IRIG-B Readers described on page 8. )



## SPECIFICATIONS

**Power:** 300 mA, via Computer  
**Enclosure:** n/a  
**Dimensions:** Full-Size PC Card  
**Time Code Input:** IRIG-B

**Input Impedance:** 25K $\Omega$  min.  
**Mark Amplitude:** .3 Vpp to 10 Vpp  
**Mark to Space Ratio:** 3:1 nominal  
**Options:** N/A

