IRIG-B to SMPTE TIME CODE CONVERTER

The **ES-274U** 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

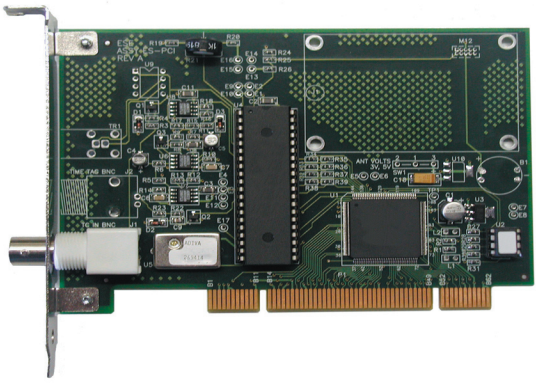
Power: 5 Watts max.
Electrical: 117 VAC, 50/60 Hz
Enclosure: Rack Mount
Dimensions: 1.75" H x 19" W x 10" D
Time Code Input: IRIG-B
Input Impedance: 25KΩ min.

Mark Amplitude: 100 mVpp to 10 Vpp, unbalanced
Mark to Space Ratio: 3:1 nominal
Time Code Output: SMPTE - 0 db into 600Ω , balanced
Video In/Out: 1 - 2 Vpp, loop-thru, unterminated
Color Frame Input: TTL or CMOS Field #1 Negative Pulse
Options: DC, EBU, J, UL, 1pps

IRIG / ASCII INTERFACE CARD

The PC-273PCI is a "PC" card designed to plug into any computer with a vacant PCI slot. The unit continuously reads Time Code (selectable IRIG A, B, E, G, NASA36, XR3/2137, in either Modulated or TTL form, or ASCII Formats 0, 1, A and NMEA 0183-GPRMC). Windows® (98/NT/2000/XP) compatible software is provided which synchronizes the PC clock. The software also allows selection of Time Code, Update Rate and Time Zone Offset.

Specifing option 'GPS' replaces the IRIG/ASCII input with an on board 12 channel GPS receiver. Included with option 'GPS' is an indoor/outdoor antenna which is connected to the unit via the provided 16' cable.



SPECIFICATIONS

Dimensions: 5.25" D x 3.75"H
Time Code Input: IRIG-A, B, E, G, NASA36, XR3/2137, ASCII 0, 1, A, NMEA-0183 GPRMC

Input Impedance: 20KΩ
Mark Amplitude: .3 Vpp to 10 Vpp
Mark to Space Ratio: 3:1 nominal
Options: GPS