

# GENERATOR / READER / TRANSLATOR

The **ES-276U** is an IRIG-B Time Code Generator / Reader that encodes 9-digits of time data (0-365 Days, Hours, Minutes and Seconds) on a 1000 Hz carrier signal. The unit can also lock to an external IRIG-B input at play speed. In this mode the unit may be used as a Reader or a Translator (Regenerator).

## Features

- Nine Digits of .56" Yellow LED Displays (Days Thru Seconds)
- Generates IRIG-B Or Reads and Regenerates IRIG-B
- IRIG-B Time Code Output • Easy Installation
- Simple Single Switch Setting Control
- Several "Standard" Options Available



The rack mount enclosure and rear-mounted Input and Output Connectors (BNC) allow for a quick and simple installation. A single, front panel-mounted toggle switch permits easy setting of Time and Day of Year.

# CHARACTER INSERTER / READER

The **ES-275U** is an IRIG-B Time Code Reader / Video Inserter. The unit decodes 9-digits of IRIG-B (0-365 Days, Hours, Minutes, Seconds and Milliseconds) and superimposes the data upon a video signal looped thru the unit.

## Features

- "Selectable" Milliseconds Display • Brightness Control
- Superimposed or Keyed Video Characters
- Optional RS-232 Interface • NTSC Or PAL
- Multiple Mask Selection • Rack Mount Enclosure
- Automatic Error Detection And Correction
- Vertical And Horizontal Size & Position Controls



A display setting mode allows the user to view the time and date side by side, stacked, time blanked or date blanked. On-screen programming features include setting of date, position, size, brightness, mask selection, daylight savings time, and 12/24 hour mode selection. Optional RS-232 interface (option R) and software can be specified.

## SPECIFICATIONS

	<b>ES-276U</b>	<b>ES-275U</b>
<b>Power:</b>	10 Watts maximum	10 Watts maximum
<b>Electrical:</b>	117 VAC, 50/60 Hz	117 VAC, 50/60 Hz
<b>Enclosure:</b>	1.75" x 19" Rack Mount, 10" Deep	1.75" x 19" Rack Mount, 10" Deep
<b>Connectors:</b>	2-BNC	3-BNC
<b>Display:</b>	9 Digits, .56" Yellow LED	9 Digits Keyed or Superimposed on Video, Adjustable Size
<b>IRIG-B Input Impedance:</b>	25 K $\Omega$	25 K $\Omega$
<b>Input Mark Amplitude:</b>	10 VPP maximum, 0.3 VPP minimum	10 VPP maximum, 0.3 VPP minimum
<b>IRIG-B Output Impedance:</b>	600 $\Omega$	-
<b>Output Mark Amplitude:</b>	3 VPP, adjustable 0.5 to 5 VPP	N/A
<b>Mark to Space Ratio:</b>	3:1 Nominal	3:1 Nominal
<b>Video In/Out:</b>	N/A	1 VPP, 75 ohms
<b>Timebase Accuracy:</b>	+/- 2 Seconds per Week	N/A
<b>Options:</b>	DC, ESE, HR, J, RS, TTL, UL, 1pps	Black, D, DC, J, L2, L4, P2, R, SV, UL, 1pps

