

- ⊕ **Converts IRIG-B into Commercial Standard Vertical interval Time Code (Broadcast Industry Standard - SMPTE)**
- ⊕ **Inserts Time information on each frame without obscuring the picture area**
- ⊕ **Allows user to set 3 ID Bits**
Example: Tail# and Recorder #
- ⊕ **Three Composite Video Channels (One and Two Channels Available; S-Video Optional)**



General Description

The REI-8350 is an IRIG-B to VITC time code converter. The unit will accept the IRIG signal at play/record speed and insert VITC code on three independent video channels. The REI-8350 is supplied in a rugged case, accepts a power source of +28 VDC and is designed for high G-force environments. Three separate video loops are provided. A separate three digit ID number for each channel may be set via thumb-wheel switches. This number is encoded in the VITC user bits, as are the Julian Date data. Power and time code inputs are accessible on Mil-type connectors.

Once the VITC time information is on the tape the customer can then search quickly to points of interest and use **SYNC ROLL®** Software to synchronize playback of up to six different tapes. Since VITC is a broadcast industry standard, one can use broadcast editing equipment and utilize the IRIG time information to ease and speed editing. Ask for the Time Synchronized Video Systems paper for more details.

Capability: Airborne triple IRIG B to SMPTE/EBU Vertical Interval Time Code converter. Each video channel has programability for a three digit identification number.

Firmware: Proprietary code, on board EPROM

Time Code Input: IRIG B (Inquire for others)
Time Code Output: SMPTE VITC or EBU VITC (Optional) which includes encoded Days/ID, 0.3 Vpp - 10 Vpp (max. level)
Time Code Accuracy: ± 200 ms
Power Requirement: 28 VDC unregulated, 10 Watts Max.
Dimensions: 6.53" (W) x 1.59" (H) x 11.25" (D)
Operational Position: All Directions
Installation: Vertical or Horizontal, 4 ways
Weight: Approximately 3 lbs.
Connectors
Power: Bendix PT02E-8-4P Receptacle, mating connector supplied.
Time Code Input: BNC
Video Loop: BNC

Functional

Local Controls: Three sets of PCB mounted thumbwheel switches for identification numbers.

Video

Video Signal Standard: EIA RS-170A, NTSC, (S-Video or PAL/CCIR Optional)
Signal-to-Noise Ratio: Better than 43dB
Inputs (3): 1 Vpp 75 Ohm Y/C
Outputs (3): 1 Vpp 75 Ohm Y/C

Environmental

Storage Temperature: -40° C to +60° C
Operating Temperature: -5° C to +55° C
Storage Humidity: 80% (34° C) to 20% (71° C)
Operating Humidity: 0 to 80% (Non-Condensing)
Shock: 40 G's, Crash Safety