

Model 5010-GPSII



The Evertz 5010-GPSII Time Code Master combines the features of our standard 5010 timecode generator with the ability to produce GPS referenced SMPTE/EBU time code anywhere on the face of the globe. The GPS (Global Positioning System) technology provides the 5010-GPSII Time Code Master with an accurate source of time reference. The system is ideally suited for OB or mobile operations and any professional television broadcast applications where accurate time references are a must. The 5010-GPSII system may be programmed to request a time reference from the GPS receiver automatically, daily, or on demand. The 5010-GPSII can be ordered in a number of configurations. Model 5010-GPSII is an LTC Generator, Reader, Character Inserter with Accutime 2000 antenna. Model 5010-VITC-GPSII comes complete with Vertical Interval Time code capability.

Features

- Generates Time code in accordance with SMPTE 12M locked to NTSC or PAL video
- Can be operated as standard time code generator/reader or as a GPS referred time code master
- Date/Time Zone encoded into user bits according to SMPTE 309M
- Generates and reads universal co-ordinated time (UTC) or local time in time/date mode
- Automatic daylight savings time adjustment in time/date mode
- High resolution Character Inserter, with three Character sizes, 8, 16 and 32 lines, time and user bits separately positionable on raster
- Reads LTC from 1/30th to 70x play speed. Well proven input circuitry design permits reliable recovery of even severely distorted code
- Momentary or continuous Jam-sync modes
- Time and user bits are presettable from the front panel
- Parallel control of commonly used functions
- User bit Transfer from Reader Time or User bits
- On-screen programming menu
- GPS receiver, 50ft of cable (optional 100 & 400 ft. cables for longer receiver distances)
- Ideal for OB or Mobile applications
- Easy mounting and installation
- 2 General purpose outputs can be assigned to several output modes
- Tally output on loss of lock to GPS receiver

Model 5010-VITC-GPSII

The 5010 is a full function Time code Generator and full speed Reader. A Video Character Generator with high resolution characters and on-screen programming menu is standard. The 5010 has the features to provide you with the power and flexibility to meet your most difficult operational requirements. The 5010 can be ordered in two versions. Model 5010 is an LTC Generator, Reader, Character Inserter. The Model 5010-VITC comes complete with Vertical Interval Time code capability.

- Vertical Interval Time Code Generator, and Reader
- Separate genlock and PGM video inputs
- Set VITC Generator Line numbers from the front panel
- Translates LTC to VITC or VITC to LTC
- Reads VITC over the full shuttle range of most VTR's
- Selectable reader line range

Full Function Time code Generator/Reader with Character Inserter, and GPS Antenna

Specifications:

LTC Generator:

Standard: SMPTE 12M
NTSC 2/4 field; PAL 4/8 field menu selectable

Output: 3 pin male XLR type

Level: Adjustable, 0.5V to 4.5V p-p

Rise Time: 40 +/- 10 μ sec

Jitter: < 2 μ sec

LTC Reader:

Standard: SMPTE, EBU Time code

Input: 3 pin female XLR type

Level: 0.2 to 4V p-p, balanced or unbalanced

Speed: 1/30th to 70x play speed, fwd and rev, machine dependent

GPS Receiver:

Temperature: -30°C to +70°C

Humidity: 95% R.H. Condensing at 60°C

Dimensions: 5.8" D x 3.9" H (147mm x 100mm)

Cable Options: Standard 50'
Optional 100' (order WA-T76)
Optional 400' (order WA-T11)

VITC Generator: (5010-VITC-GPSII)

Input: Comp. Video 1V p-p, 75 Ω terminated

Outputs: 2 Comp. Video + keyed VITC

Differential Gain: <0.5%

Differential Phase: <0.5°

VITC Reader (5010-VITC-GPSII):

Input: Comp. video 1V p-p, High Z, BNC Loop

Speed: Still frame to >40x play

Character Generator

Input: Comp. video 1V p-p, 75 Ω terminated

Output: Com. video 1V p-p + keyed high resolution characters, selectable background and sizes

Physical:

Dimensions: 19"W x 1.75"H x 7.75"D
(483mm W x 45mm H x 196mm D)

Weight: 7 lbs. (3.5Kg)

Electrical:

Power: 115/230 V AC 50/60 Hz, 30 VA

Safety: ETL listed
Complies with EU safety directive
Complies with FCC Part 15 Class A
EU EMC Directive

EMI/RFI:

Order Informaton:

5010-GPSII Time Code Generator with GPSII

5010-VITC-GPSII VITC Time Code Generator with GPSII