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KTS-253

Time/Date/Title Generator

Overview

The KTS-253 is a small desktop unit that can superimpose the time, date, and a 22-character alphanumeric title on one video channel. The information can be stacked or placed on one line, and can be positioned on any of 11 rows. Text alignment options are left, right, or center justified. The time can be displayed in a 12- or 24-hour format—U.S. or European style.

Outstanding Features

The KTS-253's clock can derive its time from one of three sources: its internal crystal, the input power line frequency (50 Hz or 60 Hz), or a Global Positioning System (GPS) receiver via ZDA and RMC date formats. Because the unit outputs the time and date in an RS422 serial format, the time and date can be superimposed on a Digiplex® system's matrix switcher outputs.

The KTS-253 buffers its video outputs from its video inputs, ensuring that the display information is placed only on the output signals. It is also field-programmable through on-screen menus, which provide easy-to-follow instructions for setup and operation. An internal battery guarantees accurate time for up to 10,000 hours after a power failure. A 9 VAC power transformer is provided.



Standard Features

- **Superimpose time, date, and title information on one video channel**
- **Various time, date, and title display options**
- **Buffered video**
- **On-screen programming menus**
- **22-character alphanumeric title**
- **Internal crystal or local power line time reference**
- **Internal battery guarantees continuous time**
- **NTSC or PAL compatible**
- **GPS/Digiplex compatible**
- **Powered from 9 VAC transformer**

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Specifications

Electrical

- Input voltage: 9 VAC
- Input power: 2 VA
- Input data: RS422
- Input GPS data: RS422 compatible NMEA 0183 ver. 2.0 sentence (\$GPRMC), 4800 baud
- Output data: RS422

Video

- Input: Composite video, 1 V pk-pk
- Output: Composite video, 1 V pk-pk
- Format: NTSC or PAL (selectable)
- Impedance: 75 ohms, input and output
- Bandwidth: 7.4 MHz at -3 dB
- Signal/noise: -72 dB
- Differential gain: 0.5%
- Differential phase: 0.5°
- Channel cross talk: > -40 dB

Connections

- Video: BNC connectors
- Data: Six-position removable terminal strip
- Power connector: 9 VAC power jack

Alphanumeric Display

- On-screen display: 28 characters by 11 rows
- Camera title: 22 characters, 1 line
- Title position: 11 rows; aligned right, left, or center justified
- Time format: Hr:Min:Sec
- Date format: Month/Day/Year, Day/Month/Year (selectable)

- Time/date position: On one line or stacked on any of 11 rows; aligned left, right, or center justified (selectable)
- Character size: 10 horizontal x 14 vertical pixels

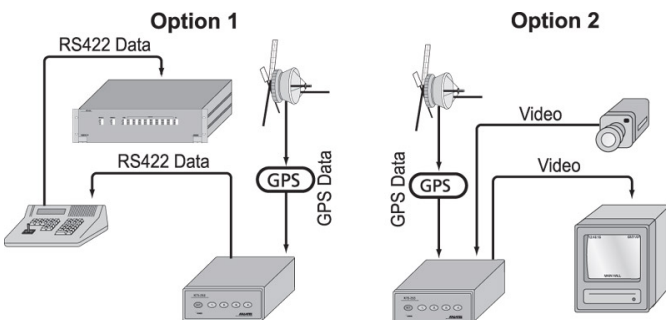
Clock

- Reference: Internal crystal, 50 Hz AC line, 60 Hz AC line, external GPS (selectable)
- Crystal accuracy: 25 ppm
- Time format: 12 or 24 hour (selectable)

Mechanical

- Weight: 13.8 oz (390 g)
- Construction: 0.050 in (1.27 mm) aluminum
- Finish: Dark gray powder coat

Related Diagram



Ordering Information

KTS-253



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