



# SD-488

## SDI TIME CODE READER/GENERATOR/INSERTER

The **SD-488** is a Time Code Reader, Generator and Inserter for SD serial digital interface video. Linear Time Code (LTC) and Digital Vertical Interval Time Code (D-VITC) are both read and generated by the **SD-488**. The unit also accepts 4:2:2 (525 and 625 line) digital video signals. The inserter mode feature of the **SD-488** provides the ability to superimpose time and/or user bits onto video with alphanumeric characters. As many as thirty characters of text may also be superimposed onto the video. Flexibility is also provided to the user, allowing for selection of the information to be displayed (time, time and user bits or text) on up to three different windows. The three windows are independent of each other and may be blanked.

### Features

- Generates/Inserts Time Code
- USB Setup Interface
- User Friendly Control
- Universal Power Supply (90-264 VAC)
- Accepts 4:2:2 (525 & 625 line)
- Time Zone Offset
- LCD Setup/Status Display
- Numerous Options Available
- Dual LTC Output



Rear Panel shown with options GPS & NTP

The video input and output are accessible via rear mounted BNC connectors. Time code input and output connectors on the rear panel are XLR (When option IRIG is specified the IRIG-B input is via a BNC connector). The **SD-488** is housed in a single height rack mount enclosure which is black anodized.

A 16 x 2 character LCD shows the current time and status of the **SD-488**. The front panel controls allow access to all configuration settings as displayed on the 16 x 2 character LCD. The same controls are available on the PC software which is accessible via the rear mounted USB port.

### SPECIFICATIONS

- Power:** 90 – 264 VAC, 47 – 63 Hz, 15 Watts max  
**Mechanical:** Rackmount Enclosure 1 3/4" H x 19" W x 10" D  
**Time & Setup/Status Display:** 16 x 2 character LCD  
**Time Code Input:** SMPTE (100 mVpp-10 Vpp; 10k $\Omega$  input impedance)  
 Optional-IRIG (100 mVpp-10 Vpp)  
**SD SDI Input:** SMPTE 259M (270Mb/s)  
**SD SDI Output:** SMPTE 259M (270Mb/s)  
**Analog Input:** 1 Vpp, terminated  
**Color Frame Input:** Vertical interval negative TTL/CMOS pulse  
**Options:** ESE, GPS, IRIG, NTP, NTP-C, OCXO, RS, UL

