

## ***8000 TCi Universal Time Code Display Interface***



ptf 8000TCi (with options)

- **Multiple Time Code inputs - IRIG B(am), B(DCLS), Pseudo IRIG (Countdown)**
- **Network Time Protocol (NTP) input**
- **1PPS Output derived from IRIG B**
- **HDMI output will interface to any size HDMI monitor/TV**
- **Optional multi HDMI outputs**
- **Multiple Time Display Pages**
- **Parameter Setup Page**
- **Ethernet Port**
- **USB Ports**

The new ptf 8000 TCi Universal Time Code Interface represents a revolutionary new approach to displaying Date and Time information from traditional IRIG B time code or NTP network time protocol. This new approach eliminates the need for dedicated and expensive time and date displays and provides a universal IRIG B/NTP display interface that can be used with any standard HDMI Monitor or TV display. In addition the unit will accept "pseudo" IRIG B signals traditionally used for count down/up applications.

The flexibility of the HDMI output provides a unique way to display characters at almost any size, and can interface with small, 10 inch HD monitors up to 60 inch plus monitors alike, or with the multi output option can drive up to four screens of any size individually. The display characters automatically scale to give full use of the available HD screen space giving a bright, crisp display.

In addition to accepting either amplitude modulated or DCLS time codes, the unit contains an NTP client that can be used as an alternative to get date/time from a server of the user's choice. The unit provides a remarkably accurate one pulse per second output from an IRIG B input, with enhanced accuracy when driven from an IRIG B DCLS time code.

Multiple page selections are available, including Time of Day with Day of Year, HH:MM:SS, count down display in HH:MM:SS.s, countdown display in seconds +/-9,999, and user setup pages. In addition, the user can select to display the output in a variety of colors, or on the countdown display can elect to have the color change as the display goes through zero.

This unique product replaces traditional displays that typically provide a preselected character height and color, and provides unrivalled flexibility at an economic price.



## Specifications and Setup Interfaces

### Inputs

IRIG B 123 (AM) / Pseudo IRIG B (AM)  
Signal 1kHz Carrier  
Modulation Amplitude Modulated  
Level 0.3V pk-pk to 8V pk-pk  
Ratio 3:1 (Mark : Space)  
Impedance 50 ohm  
Connector BNC

IRIG B 000 (DCLS)/ Pseudo IRIG B DCLS  
Signal 100 PPS  
Modulation Phase Width  
Level 5V TTL ( Nominal)  
Ratio 3:1 (Mark : Space)  
Impedance 50 ohm  
Connector BNC

### Network Time Protocol (NTP)

Connector RJ45 (Ethernet)  
Server IP User settable

### User Input Interface

USB Type A  
Keyboard Standard QWERTY  
Mouse Standard

### Outputs

HDMI (1.3) CEA-861-D video standard  
Distribution 4 port HDMI output splitter

Power 90 to 264VAC +/- 15%  
Temperature Operating: 0 to 55 deg. C

### Setup Interface

Hardware Wireless Touchpad  
Menu Pre-formatted Displays  
(Special formats avail.)

Selections HR:MIN:SEC  
Day of Year  
Running, Pause, Up/Down  
(Pseudo IRIG Countdown)