

Videotek® DTD-A19B2

2RU Digital Time/Date Display



The Videotek® DTD-A19B2 Digital Time Display is a versatile, multi-featured, time code-driven time and data display.

The unit is capable of displaying multiple formats of date and time including: 3-digit DOY (Day of Year), 12-hour (with PM indicator) time and 24-hour time as HH:MM:SS. These devices decode IRIG-B and SMPTE linear/longitudinal timecode (LTC) formats to function as clock displays. IRIG-B decoding supports the 1 kHz modulated and unmodulated formats. SMPTE decoding supports 30 f/s, 25 f/s and 24 f/s NDF (non-drop frame). Standard power connection and BNC connection for the LTC are provided. Configuration of the DTD-A19B2 TCD is available via the USB interface and a Windows®-based application, DTD-SET. Configurations will be retained after a power cycles.

Features

- Time or Date display
- DOY (Day of Year) display
- Leading zero-suppression option
- 24- or 12-hour display mode
- AM/PM indicator (12-hour mode)
- +12 to -11 hour time zone offsets
- 2.3 in. (5.8 cm), 6-digit red LED
- Syncs to IRIG-B and SMPTE, EBU non-drop frame time codes
- Automatic timecode type detection, input level control and date encoding availability
- Display date MM/DD/YY or DD/MM/YY
- Brightness and other adjustments controllable via USB port
- Automatic daylight saving time adjustments
- Time and date retained during loss of power and/or timecode using a battery-backed real-time clock and maintenance free rechargeable battery
- Programmable time and date when timecode not present
- Fully configurable via USB interface with supplied DTD-SET software

Specifications

Specifications and designs are subject to change without notice

MAIN SPECIFICATIONS	
Display	6 digit display
Internal Clock	With loss of timecode, the unit will revert to an internal clock until timecode is restored and then will automatically re-sync to the timecode input
Counter Mode	Up/down counter mode – controlled with UDC-RCU using RJ-12 connector
Configuration	By USB port connection and a PC
CONNECTORS	
USB	B type connect
Format	v1.1
Timecode Input	LTC (Longitudinal/Linear Time Code, forward running, automatic detection and automatic gain adjustment)
Time Code Formats	SMPTE - 30 FPS DST Encoded Date supported SMPTE - 25 FPS (EBU) DST Encoded Date supported SMPTE - 24 FPS (FILM) DST Encoded Date supported IRIG-B pulse width modulated IEEE-1344 Encoded Year IRIG-B(1) amplitude modulated IEEE-1344 Encoded Year
Impedance	>50 K ohms
Nominal Level	1.5 Vp-p (-15 dBV to 20 dBV)

Auto-Detection/Gain Adjustment Range	SMPTE 24, 25 and 30 FPS, NDF, 0.2 to 12 Vp-p IRIG-B00 unmodulated 0.5 to 12 Vp-p IRIG-B12, 1Khz AM 0.5 to 8 Vp-p, 3:1 mark to space ratio
Timecode Input (unbalanced)	BNC female, single ended, unbalanced
Timecode Input (balanced)	Terminal Block, differential, balanced
RJ-12	Direct connection to UDC-RCU UP Down Counter

POWER

AC Input	90 to 264 VAC, 47 to 63 Hz, universal
Power Consumption	<10 W
Compliance	CE Marked ☑ available for sale in EU FCC, Class B, Emissions

OPERATING TEMPERATURE AND HUMIDITY

Temperature	0 to 40° C
Humidity	Up to 90% (non☑condensing at 25° C)

PHYSICAL CHARACTERISTICS

Dimensions (H X W X D)	3.5 x 19 x 6.25 in. ((8.9 x 48.3 x 16.5 cm)
Weight	8.2 lbs (3.7 kg)
Chassis	Black powder-coated paint inside and out

Ordering Information

DTD-A19B2	LED digital clock, LTC input, 2RU with red 7 segment LED readout, USB setup
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