

---

**PRODUCT DATA SHEET**

The RDU-516 Time Code Reader has been designed to display IRIG-B, FDME/BUDX, KSC/MILA, IRIG CS-3 and CCS countdown time codes. It also displays IRIG CS-5246, CS-5247 and CS-5248 countdown formats. Two IRIG CS-5 inputs are provided for each channel. One for RS-232 and the other for RS-422 data. A DIP switch on the rear panel is used to select between the analog or digital codes, selection of the IRIG CS-5 inputs and IRIG CS-5 formats.

The time code is displayed on an easy to read .56" high LED display. High efficiency LEDs are used to provide excellent visibility even in brightly lighted areas. A front panel display intensity control allows adjustment of the display's brightness. Each display contains an alphanumeric character to display H, A, P and a plus and minus sign along with 9 digits for the time.

The input circuitry of the RDU-516 contains an automatic gain circuit to allow the unit to reliably copy a wide range of signal levels. The software processing of the countdown and time code signals are processed to provide a reliable read out of the received time code. Automatic display blanking is provided when the input signal is lost or when the time code is corrupted.

The unit can either be rack mounted or ceiling/wall mounted with an optional mounting bracket (MB-516).

The RDU-516 comes with a line cord and instruction manual. The unit is covered by our 1 year warranty.

*Technical Specifications*

**.56" high digit Time Code Reader**

**Inputs**

Time Code Inputs	IRIG B, IRIG CS3, IRIG CS5, FDME/BUDX, IRIG 109-64, MILA
Analog Input	IRIG B, IRIG CS3, FDME/BUDX, MILA
Amplitude	.5 to 12 Vpp
Modulation Ratio	2:1 to 6:1
Input Impedance	10K ohm, transformer isolated
Physical Connections	Isolated BNC connector
Digital Inputs	IRIG CS-5246, 5247, 5248, IRIG 109-64
Physical Connections	Isolated BNC connector (RS-232) Triax Connector, BJ77 (RS-422)

**Display**

Readout Information	
IRIG-B120, IRIG-B123	Days, Hours, Minutes, Seconds
IRIG CS3, MILA	Minus and Plus Sign, Days, Hours, Minutes, Seconds
FDME/BUDX	Minus and Plus Sign, Minutes, Seconds
CCS Countdown	Minus and Plus Sign, Hour, Minutes, Seconds, H=hold
IRIG CS-5	H=hold, P=predicted, A=actual, Minus and Plus Sign, Days, Hours, Minutes, Seconds
Display Hardware	.56" Red Hi-efficiency LED digits with plus/minus sign
Blanking	Display is blanked for analog input signal levels below .5 Vpp

**Power Input**

Voltage	110-130 VAC
Frequency	50-70 Hz
Power Consumption	25 Watts

**Mechanical**

Case Dimensions	1.75 inches high x 19 inches wide x 6 inches deep
Case Material	Aluminum enclosure painted light gray.
Mounting	19" rack mounting
Weight	9 pounds

**Environmental**

Operating Temperature	0 to 55 degrees Celsius
Relative Humidity	10 to 90% non-condensing

*Specifications subject to change without notice.* 011207