

## FEATURES

- Count-up or count-down up to 99 hours
- Reference time from NTP, IRIG-B or SMPTE (30/25/24 fps non drop frame)
- Generate NTP and SMPTE (30/25/24 fps non drop frame)
- Control an unlimited number of network clocks and devices simultaneously
- Control an unlimited number of time code clocks via SMPTE BNC output
- Real time clock chip retains time during loss of power or time reference
- Modes include count-down, count-up, count to time, and clock
- 6-digit LED display



## SPECIFICATIONS

### Connectors

- > RJ45 - 10/100MB Ethernet
- > BNC for time code in/out
- > USB for configuration
- > DC input - 2.1 mm male jack

### Interface

- > Network or direct com to NTDS via RJ45
- > Time code in and out via BNC connectors
- > Illuminated buttons for Mode Select (count-up, count-down, clock) and Action (start, pause, reset)

### Network Compatibility

- > Supports NTP, DHCPv4, DHCPv6 for automatic acquisition of network address, name servers, and timeserver configuration
- > Telnet/SSH communication
- > IPv4/IPv6 compatible
- > SNMP with custom MIB

### Configuration

- > Configure devices through provided WinDiscovery software or Telnet/SSH
- > Configuration is saved to nonvolatile memory and survives power losses
- > Authenticated network messages prevent unauthorized tampering of clock configuration

### Power

- > DC input (115-230, 50/60 Hz)
- > 12VDC external wall mount supplied - UL, CE listed
- > PoE input (48VDC, IEEE 802.3af) option

### Operating Parameters

- > Temperature: 0 to 60°C
- > Humidity: Up to 90% (non-condensing)

### Physical

- > Size: 6.82w x 5.24h x 2.37d in (17.32w x 13.31h x 6.02d cm)
- > Weight: 2 lbs (0.9 kg)
- > Black powder coated steel chassis
- > Rubber feet for tabletop use

### Compliance

- > FCC, ROHS, CE Marked, ANSI

### Options

- > Flush-mount version

The RC1000 is a dual-channel up/down production timer for count and control applications. Supporting both network and time code, this versatile and functional device is essentially two counters in one. Counts are entered via a numeric keypad and a new count can be started during a current count or after it has stopped. It can be programmed with 20 count presets, or counts can be calculated and entered during production. The six-digit dual displays can show HH:MM:SS or MM:SS:FF. Each channel generates SMPTE/EBU to sync production equipment or to control counts on our TCDS Series digital clocks (or any clock that accepts raw SMPTE/EBU). Each channel can also generate network count packets to control our NTDS Series digital clocks.

### Features

- 2 independent timing channels
- 6-digit dual displays can show HH:MM:SS or MM:SS:FF
- Generates SMPTE/EBU (30/25/24fps ndf, 29.7df) & network count packets
- Locks to SMPTE/EBU, IRIG-B, NTP or internal reference
- Add or subtract time for quick calculations
- 20 programmable presets with 6 count sequence chaining
- 2 GPI inputs & 2 GPI outputs (opto-isolated TTL)
- Redundant DC & PoE power

### Connectors

- DB25 – time code I/O, RS232, GPI I/O (DB-25 terminal block adapter included)
- RJ45 10/100MB - configuration, network communications and PoE power
- USB - configuration
- DC input 2.1 mm male jack - power

### Other Features

- Fully configurable offsets for time zone and DST
- WinDiscovery configuration and monitoring software included
- Configure device manually, or via network using WinDiscovery or Telnet/SSH, or through direct connection using USB
- Supports NTP, DHCPv4, DHCPv6 for automatic network acquisition
- IPv4, IPv4/IPv6 supported
- SNMP with custom MIB
- LED brightness control



### Power

- PoE (48VDC, IEEE 802.3af)
- DC input 9-28VDC (24VDC wall-mount power supply with locking DC plug included)

### Physical

- Size: 5.2x8x1.75 in (13.2x20.3x4.4 cm)
- Weight: 1.8 lb (0.82 kg)
- Temperature: 0 to 60 C
- Humidity: Up to 90% (non-condensing)
- Black powder coated steel chassis
- Rubber non-slip feet for tabletop use

### Compliance

- ROHS, FCC, CE Marked, ANSI, ICES