

GPS Mini IRIG-B Time Server

SY-M-1-RIG



Introduction

The SY-M-1-RIG GPS IRIG-B Time server provides a high precision time directly to the time devices using IRIG-B Protocol. It synchronizes time of any IRIG-B receiving devices running via Serial or BNC ports.

Features

The SY-M-1-RIG is high quality professional time server for computing, telecom, military, power grid, traffic systems and other science purposes. It has been manufactured with no mechanical parts as coolers or hard disk. All cooling system has been resolved on natural air circulation outgoing via metal case of unit.

Technology

IRIG-B DC: Modulated as standard, demodulated as option. BNC or Block terminal interface.

LAN : 10/100 Based T: RJ-45 connector IEEE 802.3 - shielded data line(Optional)

RS-232: serial code(Optional)

PPS: 1 channel 1 PPS,(TTL/ active optical isolation and passive) (Optional)

Chipset : Motorola receiver (8) channel with RAIM

Antenna: BNC1.5GHz / 8m + active converter (IP65 to UTP Cat5. cable 200m. (max.500m),

Receiver : input frequency 1575.42MHz (L1).

INPUT : 110-240V AC/DC, DC48V,DC24V,DC12V FUSE : 1 electronic

OUTPUTS : +5V / 5A. +12V / 0.6A. -12V / 0.5A. TOTAL LOAD : Less than 10 Watt

GPS Accuracy: Better than ± 100 nsec after synchronization of first 1 hour better than ± 1 μ sec during the first hour of operation

IRIG-B Accuracy : 1us (with nanosecond kernel)

HOUSING : MINI Metal desktop case, 15.8x14.6x6.0CM

Protection : rating IP20

Temperature: -20~75°C

Storage: -40~ 125°C

Humidity: 85% max

Housing Color: Silver White

GPS Antenna Cable: 30 meters wire with GPS antenna(Standard),other length is optional.

Warranty Time: 5 Years

