

# GPS IRIG-B Time Server

SY-2E-32



## Product Description

The SY-2E-32 IRIG-B Extender(Amplifier) is a 1x32 IRIG-B Distribution Amplifier. Each input differential channel is routed to four RS-485 terminal or BNC output connectors. Every output signal is buffered individually with a unity gain amplifier. This architecture allows 32 IRIG-B loads to be connected to a single input channel.

## Technical Specs

### 1PPS output:

Timing varacity: 1 $\mu$ s

Voltage: TTL

voltage Polarity: positive pulse

Pulse width: about 100ms Impedence: 50  $\Omega$

Channel number: 1

Fore edge: <20ns

### 1PPM: output:

Timing varacity:: 1 $\mu$ s

Voltage: TTL

Polarity: positive pulse

Pulse width: about 100ms

Impedence: 50  $\Omega$

Fore edge: <20ns

### 1PPH output:

Timing varacity:: 1 $\mu$ s

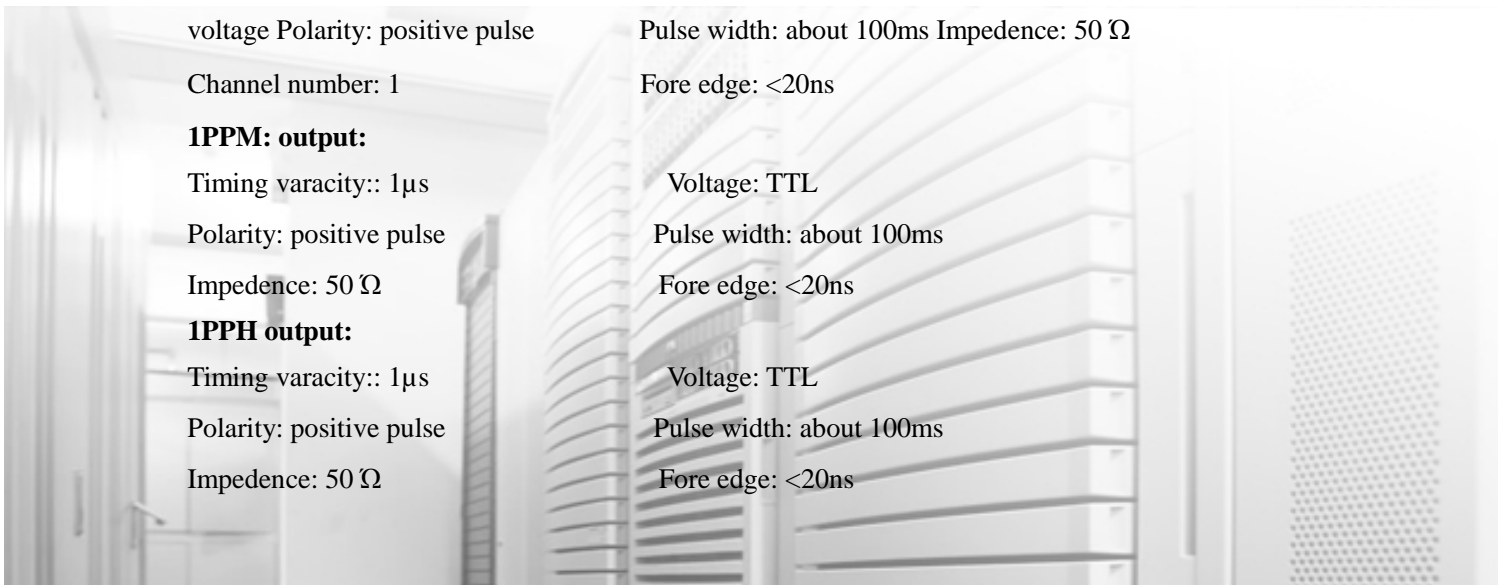
Voltage: TTL

Polarity: positive pulse

Pulse width: about 100ms

Impedence: 50  $\Omega$

Fore edge: <20ns





Meets IEEE Standard 1344-1995 for IRIG B

Buffered signals good to minimum of 75 meters

Nominal gain of  $1.00 \pm 0.01$

Separate channels with 32 buffered outputs each channel

Each output short circuit protected- can't affect other outputs

RS485 terminal input and output connectors

Packaged in 2U 19" rack Chassis

No fans or cooling slots— closed to the environment

Pulse: PPS,PPM,PPH

110 to 220V AC or DC

Protection : rating IP20

Temperature : 0~ 70°C Storage: -40~ 125°C Humidity: 85% max

Housing Color: Silver

