

LIGHTIGO

SyncRay

Your nifty box
for precise synchronization

What is SyncRay?

Precise analysis requires precise synchronization. With the SyncRay, our compact Digital Pulse (Delay) Generator (DPG), you can synchronize up to 5 instruments with nanosecond precision.

SyncRay has been designed as a compromise between cheap DPGs, which lacks some important features and more advanced DPGs, which are too big and/or too expensive.



Parameters

Basic parameters:

- 4 Output + 1 Input/Output Channel
- Input as Trig/Gate/External ARM
- SMB connectors for easier handling
- Resolution 10 ns, precision 5 ns
- Switchable output level 3.3 / 5 V

Time base sources:

- Internal (0-5 MHz)
- External / Triggered (0-5 MHz)

Time base modes:

- Single, Normal, Burst, Duty cycle

Time base features:

- Gated (Active low, Active high)
- External Trigger (Threshold Level, Rising edge, Falling edge)

Channel modes:

- Normal, Single shot, Bursts, Duty cycle

Channel features:

- Pulse width (from 10 ns to 1000 s)
- Pulse delay (from 10 ns to 1000 s)
- Changeable Sync source
- Channel multiplexing
- Wait count
- Gated mode

Other parameters:

- USB connection
- Aluminum box, 130 × 75 × 190 mm
- Weight: 1 kg
- Power supply: 5-24 V DC jack