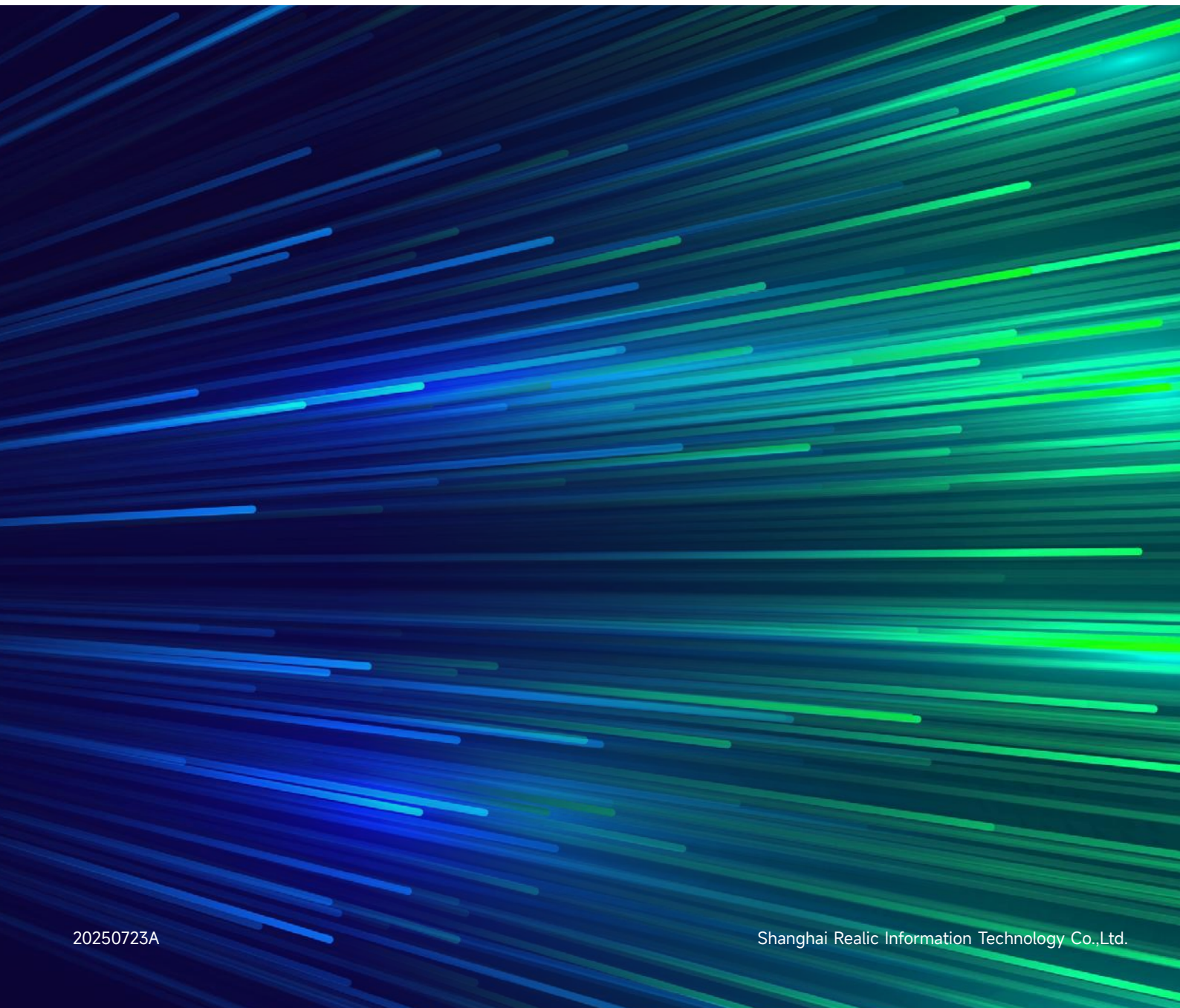


1064nm

Nanosecond Pulse Laser

Type: PhaseOptics-1064-E0050-M



1064nm Nanosecond Pulse Laser

PhaseOptics-1064-E0050-M

The 1064nm Nanosecond Pulse Laser uses MOPA Techniques and noise suppression methods to amplify laser pulse at low duty cycles. With single pulse energy up to $50\mu\text{J}$, it provides repetitive 1064nm laser ray of tunable pulse width.

Characteristics and Application Fields

Characteristics

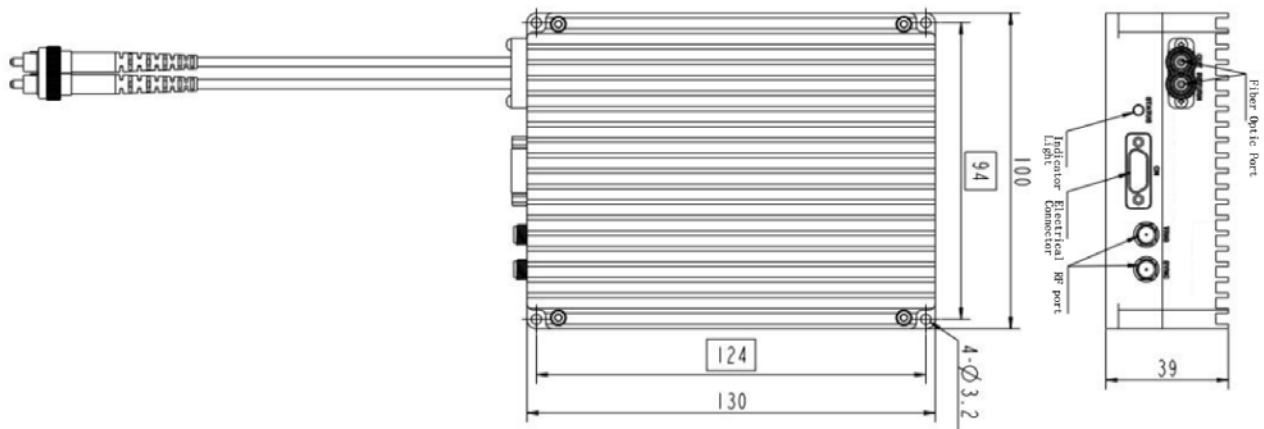
- Small Volume
- Adjustable Pulse Width
- Adjustable Repetition Rate

Application Fields

- Visibility Detection
- Aerosol Detection



Structural Dimensions



Parameter	
Type	PhaseOptics-1064-E0050-M
Wavelength (nm)	1064±1
Spectrum (nm)	< 0.5
Frequency Repeatability (kHz)	3~10 (Customized available)
Pulse Width (ns)	5~15 (Customized available)
Single Pulse Energy(μj)	≥50@15ns, 3kHz
Power Stability (RMS)	≤3%@1h
Side-mode Suppression Ratio(dB)	≥45
Output Fiber (Type)	Large mode area fiber, FC/APC
Output Fiber (Length) (m)	0.5
Supply Voltage (V)	DC 24
Power Consumption (W)	≤30
Communication Interface	DB9/RS232
Trigger Mode	External & internal dual-trigger modes
Dimensions (W) x (D) x (H) (mm)	100×130×39
Operating Temperature (°C)	-40~60
Storage Temperature(°C)	-40~85
Operating Humidity (%)	5~70

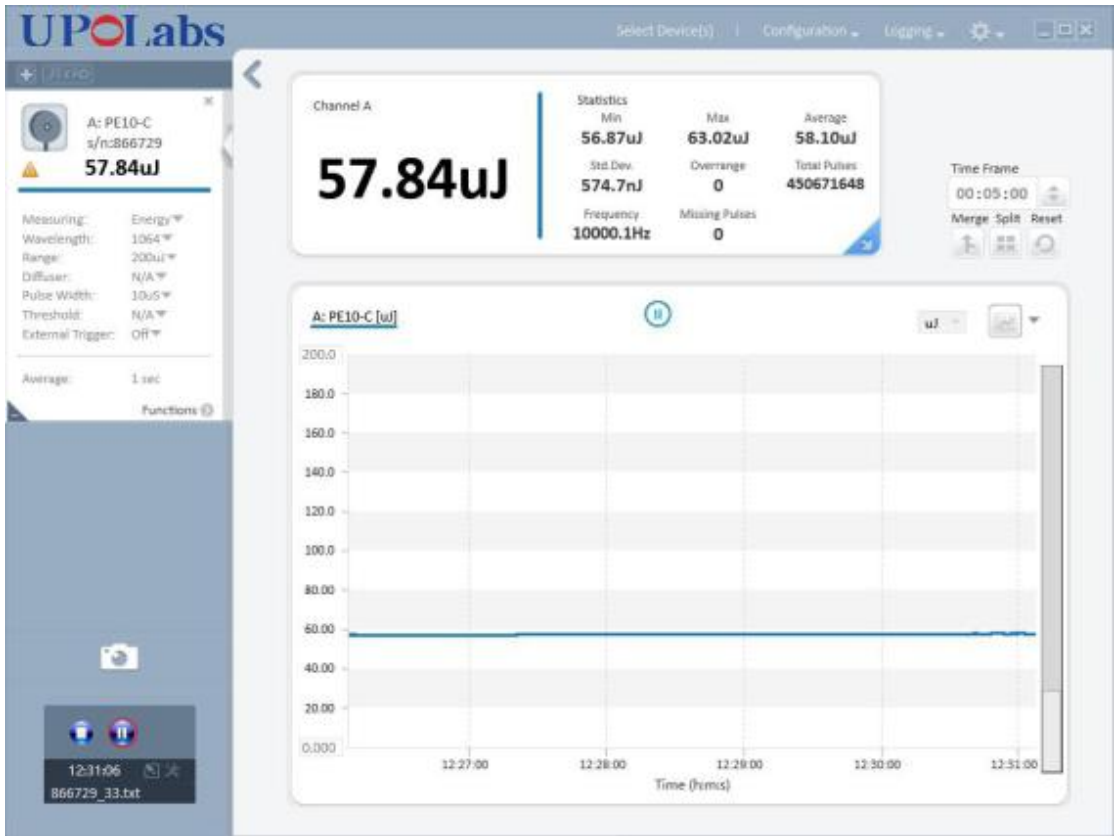


Photo 1-1 Output Energy and Energy Stability

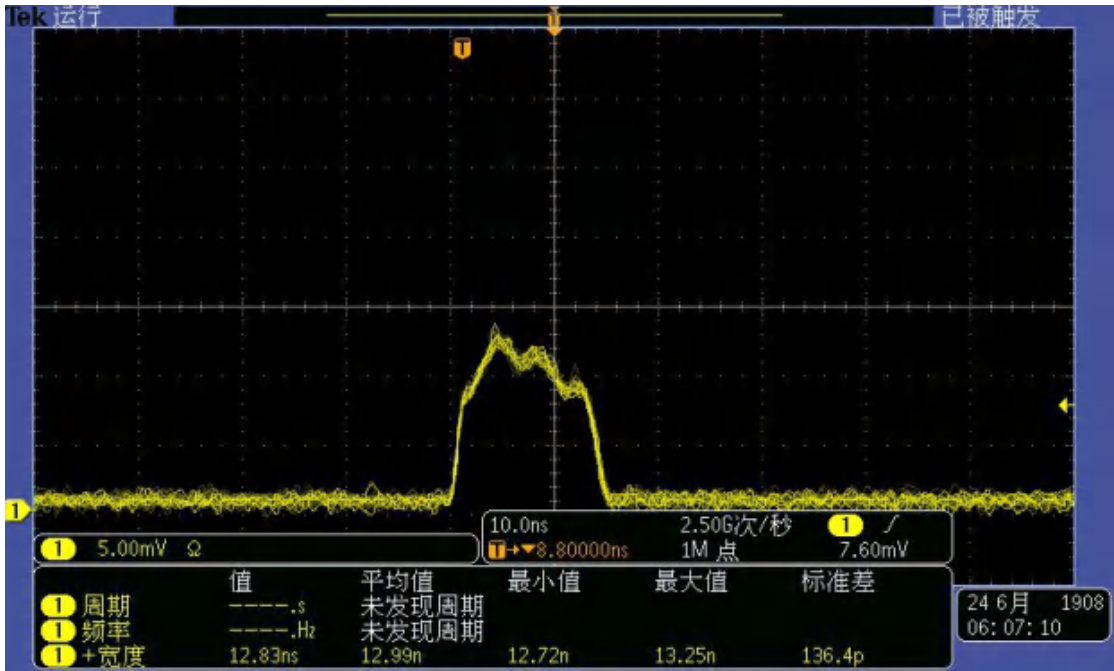


Photo 1-2 Output Pulse Waveform