LIDAR-Lite Laser Rangefinder



Produktkode: 191aa
Tilgjengelighet: Opp til 1 mnd leveringstid
Weight: 20.00g
Ring etter pris: 91166668

Kort beskrivelse
LIDAR-Lite Laser Rangefinder (PulsedLight) V1 måler avstander opp til 40 meter.

Beskrivelse
Manual

Arduino skisse

Description

- Fast, accurate and powerful laser based measurement solution
- Compact 51mm x 30mm x 39mm module with 40m measuring range
- Great for drones, robotics and other demanding applications
- Transmit Power (laser): 1.5Watts peak @ 3amps drive
- Acquisition time: < 0.02 sec

The **LIDAR-Lite Laser Rangefinder** by PulsedLight is an essential, powerful, scalable and economical laser based measurement solution supporting a wide variety of applications (ex. drones, general robotics, industrial sensing and more). Measures distance, velocity and signal strength of cooperative and non cooperative targets at distances from zero to more than 40 meters. Offering the highest performance available in a single beam ranging sensor in its class.

Specifications

Performance

- Range: 0-20m LED emitter
- Range: 0-60m Laser emitter
- Accuracy: +/- 0.025m
- Power: 5VDC, <100ma
- Rep rate: 1-100Hz
- Interface: I2C or PWM

Configuration

- Laser/PIN diode 14mm optics (class 1 laser product)

Laser sensor PCB

- NEP (PIN detector): 12nW rms, 1.5pF detector capacitance, 1mm virtual detector size
- Min detectable signal: 1nW - 256 integrated bursts (maximum integration time)
- Transmit power (laser): 1.5Watts peak 14mm @ 3amps drive, 75um single stripe laser junction
- Transmit power (LED): 200mW within +/- 3 degree beam @ 1amp

Info

https://learn.sparkfun.com/tutorials/lidar-lite-v3-hookup-guide/all

Produktgalleri







