LIDAR-Lite v3HP

[SEN-14599 ROHS]

Description

- Resolution: 1 cm
- Typical accuracy: +/- 2.5cm at distances greater than 2 meters (Refer to operating manual for complete operating specifications)
- Range: 5cm to 40m
- Update rate: Greater than 1kHz
- Interface: I2C or PWM
- Power (operating voltage): 4.75-5VDC; 6V Max
- Current consumption: 65ma idle; 85ma during acquisition
- Operating temperature: -20°C to 60°C
- Laser wavelength/Peak power: 905nm/1.3W
- Beam divergence: 8m Radian
- Optical aperture: 12.5mm
- Water rating: IPX7
- Unit dimensions: 24.5mm x 53.5mm x 33.5mm (1.0in x 2.1in x 1.3in)
- Weight: 34g (1.2oz)

Tags

- GARMIN
- I2C
- LASER
- LIDAR
- LIDAR-LITE
- PROXIMITY
- PWM
- SENSOR
- V3HP

LIDAR-Lite v3HP Product Help and Resources

Tutorials

LIDAR-Lite v3 Hookup Guide
-May 16, 2018

A tutorial for connecting the Garmin LIDAR-Lite v3 or the LIDAR-Lite v3HP to an Arduino to measure distance.

Comments

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Reviews

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Customer Reviews

★★★★★ Excellent Performance
about a month ago by Jade verified purchaser

The device is worth choosing over the former model just for the double sample rate alone. Good construction. Water resistance is a nice touch, but only as a safety measure. Optics will not perform if you get water onto the lenses and if you plan on exposing the sensor to moisture, I recommend enclosing it in glass or non-IR-blocking plastic, or at the very least covering the front. Leaving lenses exposed is always a bad idea when dealing with precision instruments.

The only thing missing that would make it a perfect point cloud scanner is an RGB sensor. I’m having to combine mine with a standalone module and alignment is always an issue, but for the price that low, can’t complain. Love this thing!