



# Vista™-P60

## 3D Lidar for Smart Machines

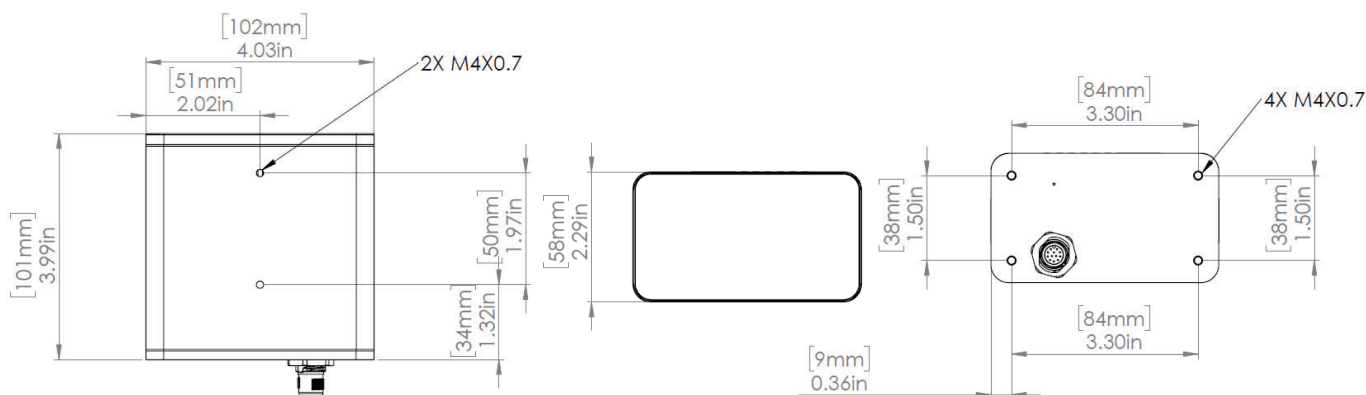


Powered by Cepton's patented MMT™ technology, the Vista-P60 lidar sensor offers an unrivaled combination of performance, reliability and affordability to deliver high resolution 3D imaging and perception for the fast-growing market for autonomous and smart machines. It is designed for all-weather environments and easy integration into automotive vehicles, security systems, transport infrastructure and beyond.

### HIGHLIGHTS

- Long range, high resolution, uniform distribution;
- Rugged design, competitive pricing;
- Compatibility with Cepton's *Edge* product to create a smart sensor for immediate perception;

### EXTERIOR DIMENSIONS\*



\* Subject to change without notice

## SPECIFICATIONS<sup>1</sup>

|   |  |
|---|--|
| <b>Max Detection Range</b>                  | 200m at 30% reflectivity                     |
| <b>FOV (HxV)</b>                            | 60° x 22°                                    |
| <b>Angular Resolution (HxV)<sup>2</sup></b> | 0.25° x 0.25°                                |
| <b>Frame Rate</b>                           | 10 fps/20 fps                                |
| <b>Range Accuracy<sup>3</sup></b>           | ± 2 cm                                       |
| <b>Operating Voltage</b>                    | 10V-15V                                      |
| <b>Power Consumption</b>                    | 12W (typical)                                |
| <b>Laser Wavelength</b>                     | 905 nm                                       |
| <b>Laser Safety</b>                         | Class-1 eye safe                             |
| <b>Multi Return</b>                         | Up to 2 returns                              |
| <b>Vibration</b>                            | 5G rms 10-2,000 Hz                           |
| <b>Shock</b>                                | 50G  |
| <b>Operating Temperature</b>                | -40°C ~ +85°C                                |
| <b>Storage Temperature</b>                  | -40°C ~ +105°C                               |
| <b>Environmental Protection</b>             | IP67   |
| <b>Network</b>                              | 100 Mbps Ethernet                            |
| <b>Platform Support</b>                     | Windows, Linux                               |
| <b>Points per Second</b>                    | ~320K points/sec (single return)             |
| <b>Data per point</b>                       | Time stamp, angle (HxV), range, reflectivity |
| <b>Time Synchronization</b>                 | GPS (PPS), Ethernet (PTP 802.1AS)            |
| <b>Size (WxHxD)</b>                         | 102 x 58 x 101 mm (without connector)        |
| <b>Weight</b>                               | 0.9 kg                                       |

1. Specifications are preliminary and subject to change without notice.

2. Average angular resolution at 10 fps.

3. Range accuracy is measured at 20 m with a 50% reflectivity target at room temperature.

[WWW.CEPTON.COM](http://WWW.CEPTON.COM)

© Cepton Technologies, Inc.  
All rights reserved

2880 N 1st St,  
San Jose, CA 95134



CEPTON