



# Navigation & Obstacle Avoidance LIDAR

## M10 Series

- Wide recognition range, long range, fast response
- Algorithm is optimized and upgraded, mapping faster and more accurate
- Strong anti-light interference ability, both indoor and outdoor
- Advanced optics and lower SNR and dynamic balance control, Excellent detection for strong light, high reflectivity objects and low reflectivity objects
- Light and compact, more suitable for embedding machine

	M10	M10P
<b>Wavelength</b>	905nm	905nm
<b>Laser Class</b>	Class I	Class I
<b>Output Data</b>	Distance, Angle	Distance, Angle, High Reflective
<b>Detection Distance</b>	10m@10%	10m@10%
<b>Accuracy</b>	±3cm	±3cm
<b>Scan Angle</b>	360°	360°
<b>Scanning Frequency</b>	10Hz	12Hz
<b>Data Point Generating Rate</b>	10,000 pts/sec	20,000 pts/sec
<b>Angular Resolution</b>	0.36°	0.22°
<b>Input Voltage</b>	4.75V~5.25V DC	3.3V~15V
<b>Operating Temperature</b>	-10°C~ 50°C	-10°C~50°C
<b>Communication Interface</b>	Serial Port, Network Port	Serial Port (Baud rate 51,2000 bps)
<b>Vibration Test</b>	500m/sec <sup>2</sup> , lasting for 11ms	500m/sec <sup>2</sup> , lasting for 11ms
<b>Shock Test</b>	5Hz-2000Hz, 3G rms	5Hz-2000Hz, 3G rms
<b>Weight</b>	200g	200g
<b>Dimensions (LxWxH)</b>	Φ79.3x39 mm	Φ79.3*39mm