



Navigation & Obstacle Avoidance LIDAR

N301/401

- Wide recognition range, long range, fast response
- Minimum angular resolution reaches 0.18° to ensure the accuracy and stability of the measurement data
- Mapping more rapid and accurate
- Ethernet interface to realize high-speed data transmission
- Through the accelerated impact of rigorous testing certification, anti-gravity acceleration up to 40g
- Advanced optical and algorithm system, excellent detection performances for strong light, black and white objects, high reflective objects

	N301/401	N301-P
Wavelength	905nm	905nm
Laser Class	Class I (IEC-60825)	Class I (IEC-60825)
Output Data	Distance, Angle, High Reflective(N401)	Distance, Angle
Detection Range	10m/30m	10m/30m/50m
Range Accuracy	±3cm	±3cm
FOV	360°	360°
Scanning Rate	10Hz 20Hz	5Hz 10Hz 20Hz
Data Point Generating Rate	20,000 pts/sec	20,000/300,000 pts/sec
Angular Resolution	20Hz:0.36° 10Hz:0.18°	(20,000pts) 5Hz: 0.09°; 10Hz:0.18°; 20Hz:0.36° (300,000pts) 5Hz: 0.06°; 10Hz:0.012°; 20Hz:0.024°
Input Voltage	9V~36V DC	9V~36V DC
Operating Temperature	-20°C~60°C	-20°C~60°C
Communication Interface	Industrial Ethernet	Industrial Ethernet
IP Grade	IP67	IP67
Shock Test	500m/sec ² ,lasting for11ms	500m/sec ² ,lasting for11ms
Vibration Test	5Hz-2000Hz,3G rms	5Hz-2000Hz,3G rms
Weight	406g	406g
Dimensions (LxWxH)	φ80x79.1 mm	φ80x79.1 mm