Navigation & Obstacle Avoidance LIDAR
GW1

- Principle of TOF detection
- Designed for collision avoidance and intelligent area detection applications
- Can output switch quantity and point cloud data simultaneously
- Can be set freely in the measurement range according to the environment
- Maximum of 15 detection areas can be switched by input.
- Detection areas can be divided into independent type and associated type
- Industry-leading impact and vibration resistance, high reliability and stability

Wavelength	905nm
Laser Class	Class I (IEC-60825)
Output Data	Switching Value、Data Value / Switching Value
Detection Range	5m/10m/20m/30m
Range Accuracy	±3cm
FOV	270°
Scanning Rate	10Hz
Data Point Generating Rate	20,000 pts/sec
Angular Resolution	0.18°
Input Voltage	9V~28V DC
Operating Temperature	-20℃~60℃
Communication Interface	NPN、PNP
Detection Area	Associated / Independent
IP Grade	IP67
Shock Test	500m/sec², lasting for 11ms
Vibration Test	5Hz-2000Hz,3G rms
Weight	397g
Dimensions (LxWxH)	Φ80x79.1 mm