

#### ► Model: Sweep

#### Designed for mass market applications

- Ultra Low cost design
- Operates in full sunlight
- Low power consumption (<3W).
- Wide field of view (360°)
- Small footprint with internally threaded mounting holes
- Simple serial connectivity for easy integration
- Modular design for future upgrades

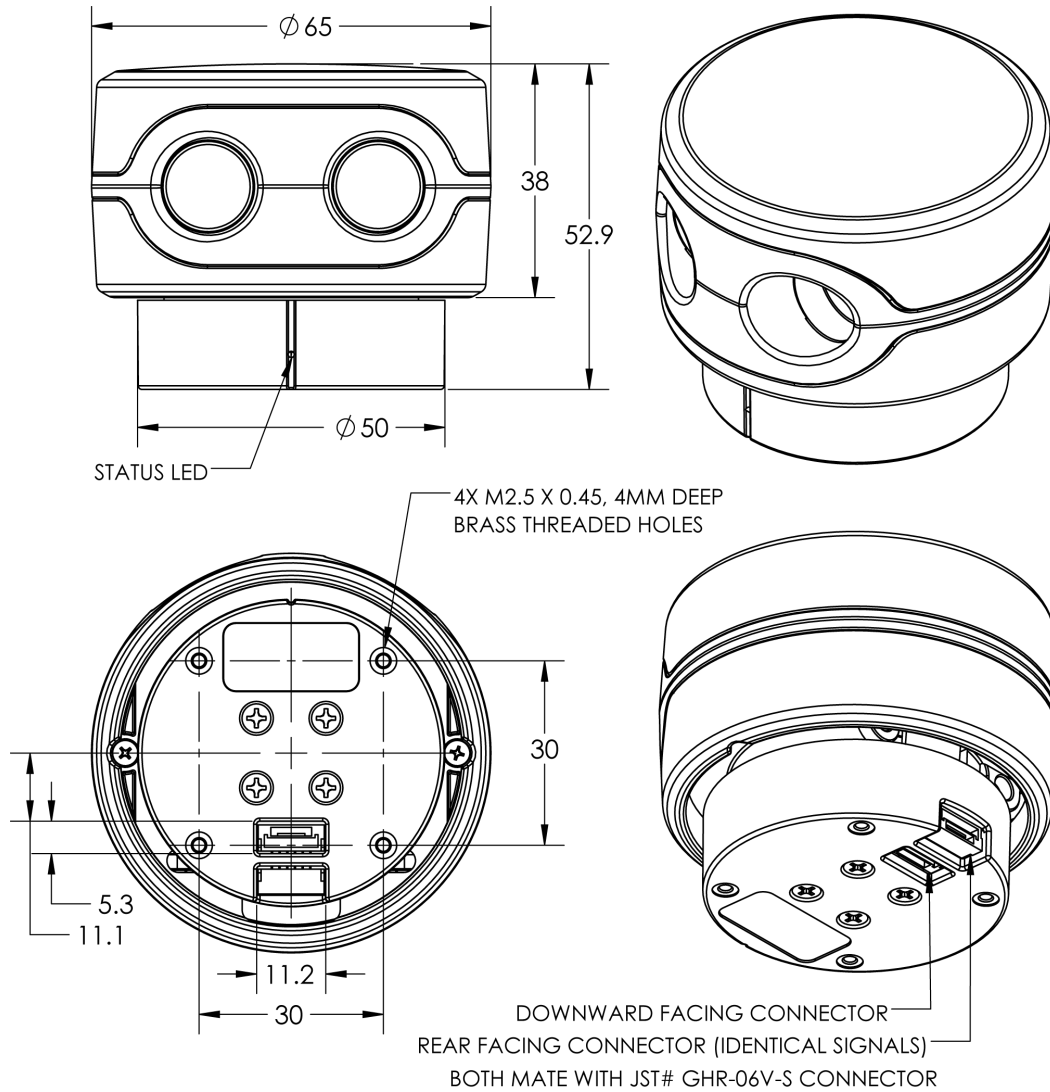


#### ► Specifications

Applications	Object detection and avoidance, Navigation, Surveying, Robotics
Power Source	5VDC $\pm$ 5%
Current Consumption	Up to 600mA, 300mA nominal
Light Source	905nm
Beam Angle	1.0°
Scanning Range	0.1 to 40m
Scanning Accuracy Error	0.1 - 2m: 10%, 2 - 4m: 2%, 4 - 40m: 1% of measured distance
Scanning Angle Field of View	360°
Scanning Resolution	1cm
Max Measurement Frequency	500 samples/second
Scanning Frequency	2 to 10 revolutions/second
Angular resolution	1.4 to 7.2 degrees *
Indication Lights	Power LED, Status LED
Ambient Temperature	-10 to +70 °C (-25 to +75 °C when stored)
Ambient Humidity	Less than 85%RH, No icing or condensing
Noise	25db or less (at 300mm)
Case Materials	ABS/PC resin
Weight	120g
Connectivity	UART

\* Angular resolution depends on sensor rotation speed. The sensor speed can be configured in settings

## System Dimensions



ALL DIMENSIONS ARE IN MM, DRAWINGS ARE NOT TO SCALE

## Interface overview

