

SCANNING LASER RANGE FINDER

URG-04LX-UG01

The most affordable laser scanner in the world

Features

- Low cost
- High accuracy
- Low power consumption
- USB bus power

Applications

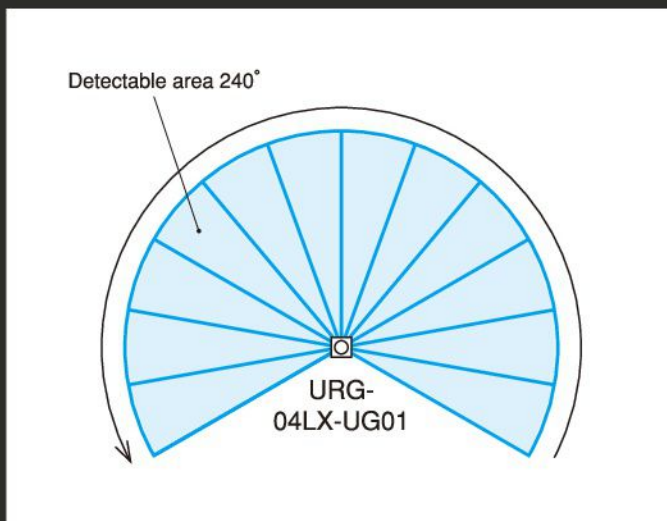
- Service robotics
- Research robotics
- Intelligent AGV



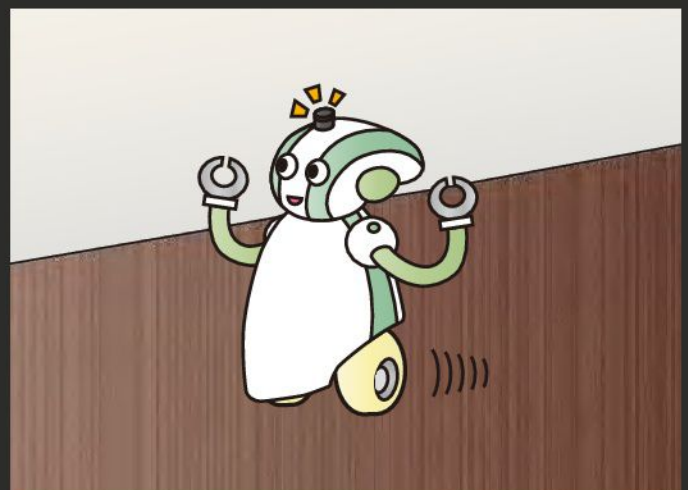
Specifications

Part No.	URG-04LX-UG01
Power supply	5VDC \pm 10% (USB bus power)
Consumption current	500mA or less (600mA when switching on)
Light source	Semiconductor laser (785nm), class 1 eye safe
Distance	0.06-4m (White sheet)
Distance accuracy	0.06-1m : \pm 30mm, 1-4m : 3% of distance
Scanning angle	240 degrees
Scanning time	100ms per scan
Angular resolution	0.36°
Interface	USB1.1 / 2.0
Ambient temperature	-10 to 50 °C
Protective structure	IP64
Weight	160g

System structure



Applications



- Environment recognition for autonomous robot