

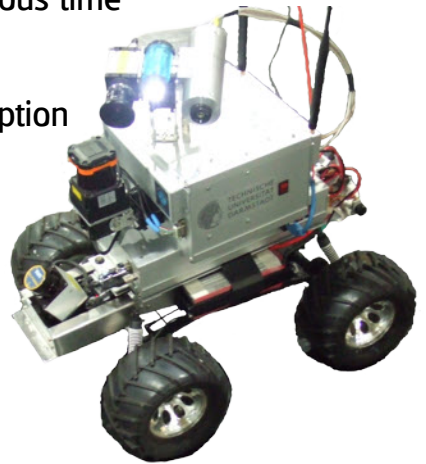
## URG-04LX

An ultra light & compact LRF from **HOKUYO**

Laser Range Finders (LRF) provide continuous time stamped mapping information.

The **URG-04LX** has become the default option for serious robotiers looking to develop autonomous mobile robots.

Its functionality, size and low power consumption make it ideal for mobile Robots.



- 5.6 metres
- 240° scan window
- 0.35° resolution
- 10 scans per second
- Compact 50 x 50 x 70mm
- Lightweight 160g
- Power Frugal 5V DC

# Specification

<b>Power Source</b>	5V DC $\pm$ 5%
<b>Detection Range</b>	20mm ~ 5.6m: White Square Kent Sheet 70mm 240°
<b>Scan Window</b>	240°
<b>Accuracy</b>	Up to 1m: $\pm$ 10mm. Above 1m 1% of distance
<b>Angular Resolution</b>	0.36° (360° / 1,024 steps)
<b>Light Source</b>	Laser diode ( $\lambda$ =785nm) Laser safety class 1 (FDA)
<b>Scan Time</b>	100 msec/scan
<b>Sound Level</b>	Less than 25 dB
<b>Interface</b>	RS232 + USB
<b>Synchronous output</b>	NPN open collector
<b>Command system</b>	SCIP 1.1 /2.0
<b>Temperature / Humidity</b>	-10°C -50°C, < 85% RH (no condensation or icing)
<b>Vibration Resistance</b>	Double amplitude 1.5mm 10 ~ 55 Hz, 2 hrs in X, Y, Z direction
<b>Impact Resistance</b>	196 m/s <sup>2</sup> , 10 times each in X, Y and Z direction
<b>Weight</b>	Approx 160g

# Dimensions

