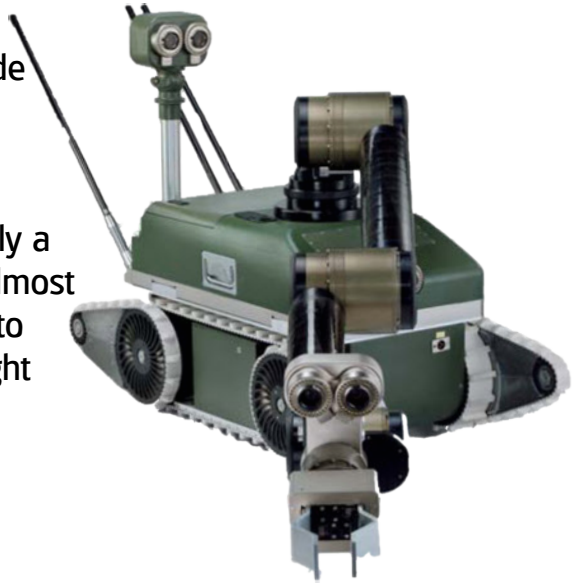


UBG-04LX-F01

High Speed LRF from HOKUYO

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

The **UBG-04LX-F01** is essentially a turbo charged URG-04LX. It is almost four times as fast but still fits into a similar compact and lightweight footprint.



- 5.6 metres range
- 240° scan
- 0.36° resolution
- 36 scans per second
- Compact: 60 x 75 x 60mm
- Lightweight 260g
- RS232 & USB interface
- Power Frugal 12V DC, 8.4W

Specification

	UBG-04LX-F01	URG-04LX
Power Source	12V DC \pm 10%	5V DC \pm 5%
Detection Range	20mm ~ 5.6m: White Square Kent Sheet 70mm 240°	
Scan Window	240°	
Accuracy	Up to 1m: \pm 10mm. Above 1m 1% of distance	
Angular Resolution	0.36° (360° / 1,024 steps)	
Light Source	Laser diode (λ =785nm) Laser safety class 1 (FDA)	
Scan Time	28 msec/scan	100msec/scan
Sound Level	Less than 25 dB	
Interface	RS232 + USB	
Synchronous output	NPN open collector	
Command system	SCIP 2.0 only	SCIP 1.1 /2.0*
Temperature / Humidity	-10°C -50°C, < 85% RH (no condensation or icing)	
Vibration Resistance	Double amplitude 1.5mm 10 ~ 55 Hz, 2 hrs in X, Y, Z direction	
Impact Resistance	196 m/s ² , 10 times each in X, Y and Z direction	
Weight	Approx 260g (inc cable)	Approx 160g

Dimensions

