

Hokuyo UHG-08LX



The **Hokuyo UHG-08LX Scanning Laser Rangefinder** is a **small, affordable and accurate** laser scanner that is **perfect** for **robotic applications**. The **UHG-08LX** is able to report ranges from 20mm to 8m (1mm resolution) in a 270° arc (0.36° angular resolution). Its **power consumption**, 12V 300ma, allows it to be used on **battery operated platforms**.

Specifications

Features

- Detectable range is 20mm to 800mm
- 67msec/scan
- 12V operating voltage
- 270° area scanning range with 0.36° angular resolution
- USB 2.0 interface

•Power source	12VDC±10%
•Detection Range	20 to 8,000mm(Indoor, White Square Kent Sheet 250mm) 270°
•Accuracy	100 to 1,000mm:±30mm 1,000 to 8,000mm: ±3% of Measured Distance (Indoor, White Square Kent Sheet 250mm)
•Angular Resolution	0.36°(360°/1,024 steps)
•Light source	Semiconductor laser diode(λ=785nm) Laser safety Class 1(FDA)
•Scan Time	67msec/scan
•Sound level	Less than 25dB
•Interface	USB2.0(Full Speed)
•Synchronous output	NPN open collector
•Command system	Exclusively designed command SCIP Ver.2.0
•Connection	Power and Synchronous output:2m flying lead wire USB:2m cable with type-A connector
•Ambient illuminance	Halogen/mercury lamp:10,000lx or less, Florescent:6,000lx(Max)
•Ambient(Temperature/Humidity)	-10 to +50 degrees C, less than 85%RH(without dew and frost)
•Vibration Resistance	Double amplitude 1.5mm 10 to 55Hz, 2 hours each in X, Y and Z direction
•Impact Resistance	196m/s ² , 10 times in X, Y and Z direction
•Weight	Approx. 500g(with cable attachment)

