

UXM-30LN

Tough URG from **HOKUYO**

Designed for use in adverse conditions this "fit and forget" long range Obstacle Detector can be trusted for automated guidance and security applications.



- 30 metres range
- 190° scan 0.25° resolution
- 28 point programmable alarm area
- Excellent performance on black objects
- Unaffected by rain, snow, moving leaves or rodents

Specifications:

Property	UXM-30LN Laser Range Finder
Power Source	24VDC (current consumption \leq 700mA, 1A at start up)
Light Source	Semiconductor Laser, $\lambda=905\text{nm}$ (Laser safety class 1)
Scanning Range	0.1 to 30m (objects \geq 10% reflectance) 190°
Scanning Accuracy	0.1 to 10m \pm 50mm, 10 to 30m \pm 100mm
Angular Resolution	Step angle: 0.25° (360° in 1,440 steps)
Scanning Time	50msec/scan (motor rotation 1,200rpm)
Noise	25dB or less
Interface	USB Type A (for area setting)
Output	Detecting output, malfunction output (NPN open collector)
Connection	Power & Output: cable 2m, USB: cable 2m with Type A connector
Operating Temperature	-10°C to +50°C at 85%RH (not icing or condensing)
Vibration Resistance	Double amplitude 1.5mm, 10 to 55Hz each 2 hour in X, Y, Z directions
Impact Resistance	196m/s ² (50G) each 3 time in X, Y, Z directions
Protective Structure	IP64(IEC standard)
Weight	Approx 1Kg

Cable:

Colour	Type
Brown	24VDC
Blue	0V*
Green	Detecting Output
White	Fault Output
Black	COM(0V)*

*0V Output is connected to 0V Power

Dimensions:

