

SCANNING LASER RANGE FINDER

UTM-30LX UTM-30LX-EW

Features

- Long distance
- Wide range
- High speed
- Multi-Echo data (UTM-30LX-EW)
- IP67 (UTM-30LX-EW)

Applications

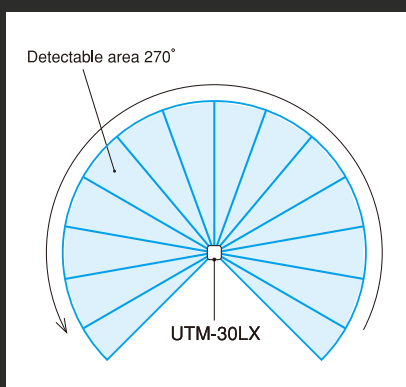
- Service robot
- Medical robot
- Research robot
- Intelligent AGV



Specifications

Part No.	UTM-30LX / UTM-30LX-EW
Power supply	12VDC ±10%
Consumption current	700mA or less (1A when switching on)
Light source	Semiconductor laser (905nm), class 1 eye safe
Distance	0.1-30m (White sheet)
Distance accuracy	50mm
Repeatability	$\sigma < 30\text{mm}$
Scanning angle	270 degrees
Scanning time	25ms per scan
Angular resolution	0.25°
Output	Sync.
Interface	USB for UTM-30LX Ethernet for UTM-30LX-EW
Ambient temperature	-10 to 50 °C
Protective structure	IP64 for UTM-30LX IP67 for UTM-30LX-EW
Weight	210g (excluding cables)

System structure



Applications



- Environment recognition by autonomous robot for outdoor use



- Analyzing human movement patterns for marketing purposes