

NEW PRODUCT

SCANNING LASER RANGE FINDER

UST-15LX/30LX

A small and capable LiDAR for outdoor applications

Features

- The same compact size of UST family (50×50×70mm)
- 15m/30m and 270° measurement range
- Stable performance up to 100,000 lux of ambient light
- Stronger resistance to contamination

Applications

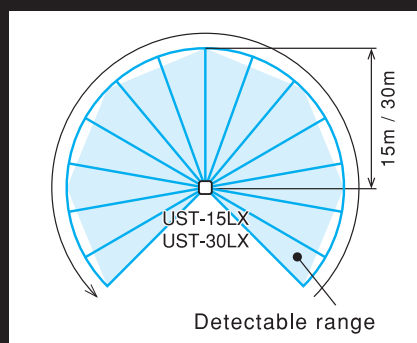
- Navigation for outdoor AMR
- Fast moving service robots which require longer distance detection
- Industrial applications in sea port or construction machines



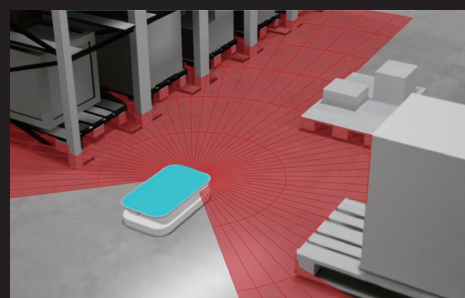
Specifications

Part No.	UST-15LX	UST-30LX (new version)
Power supply	12VDC / 24VDC (10 to 30VDC ripple: 10% or less)	
Consumption current	150mA or less (450mA when switching on)	
Light source	Semiconductor laser (905nm) class 1 eye safe	
Distance	0.05-15m (white sheet)	0.05-30m (white sheet)
Distance accuracy	±40mm	
Repeatability	σ<20mm	
Scanning angle	270 degrees	
Scanning time	25ms	
Angular resolution	0.25°/0.125°	
Output	Malfunction / Sync	
Interface	Ethernet 100BASE-TX	
Ambient temperature	-30 to 50°C	
Protective structure	IP67	
Weight	130g (excluding cables)	

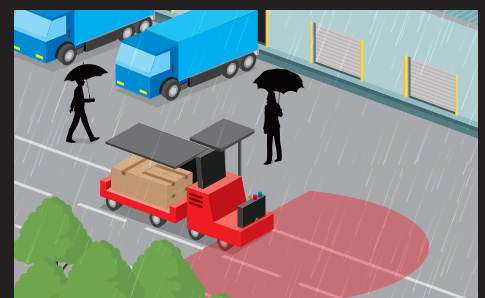
System structure



Applications



- SLAM for mobile robots



- Navigation and obstacle avoidance for AGV/AMR/Forklifts