

NEW PRODUCT SCANNING LASER RANGE FINDER

UXM-30LXH-EWA UXM-30LAH-EWA

Features

- Better accuracy
- Ethernet
- Finer resolution
- Multi-Echo
- Built-in heater
- IP67

Applications

- Container crane control
- Tower crane collision avoidance
- AGV obstacle detection

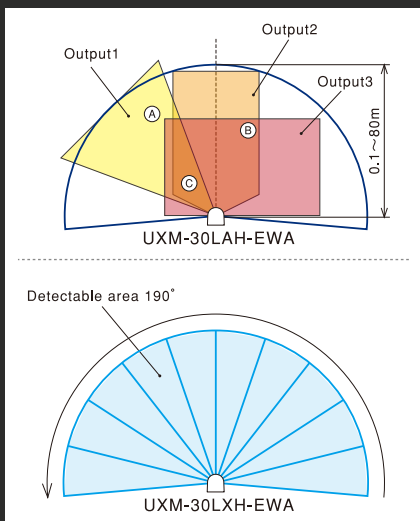


Specifications

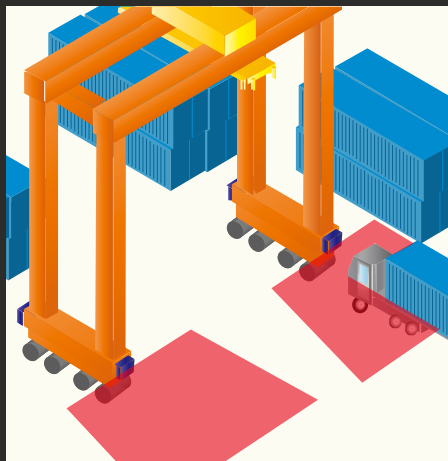
Part No.	UXM-30LXH-EWA / UXM-30LAH-EWA
Power supply	10-30VDC
Consumption current	7.2W or less (usual operation) 15W when heater is on with power of 12VDC 30W when heater is on with power of 25VDC
Light source	Semiconductor laser (905nm), class 1 eye safe
Distance	0.1m-30m (Black sheet with 10% reflectivity) 0.1m-80m (White sheet with 90% reflectivity)
Distance accuracy	50mm
Repeatability	$\sigma < 30\text{mm}$
Scanning angle	190°
Scanning time	50ms per scan
Angular resolution	0.125°

Start-up time	30ms or less
Area pattern	16 patterns (UXM-30LAH-EWA only)
Output	Photo coupler / Open collector Output 1, 2 & 3 : area detection (UXM-30LAH-EWA only) Output 4: malfunction (Normally ON) Output 5: Sync. Output
Response time	100ms or less Extra 1 scan time is needed during area switching
Interface	Ethernet
Ambient temperature	-10 to 50 °C
Protective structure	IP67
Weight	1.2kg (excluding cable)

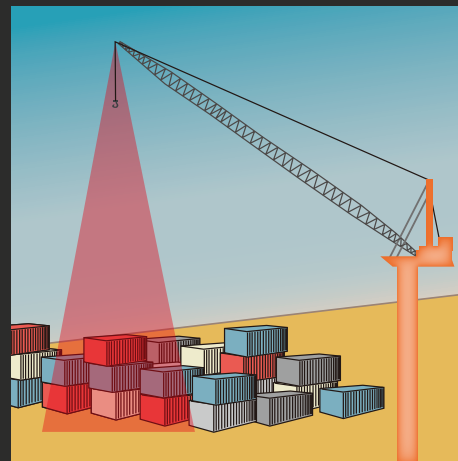
System structure



Applications



- UXM-30LAH-EWA :
Collision avoidance for RTGs, RMGs and AGVs



- UXM-30LXH-EWA :
Container positioning and size measurement