

# GL-11-Series

## GL-11-series lidar products

The GL-11 Series LiDAR is a surveyed, single-line lidar that supports both indoor and outdoor applications. With its excellent measurement capabilities, the maximum scanning angle range is 270°, the scanning frequency is Max200Hz, and the angular resolution can reach Min0.125°. The radar adopts industrial-grade protection design, which is suitable for scenarios with strict reliability requirements and high performance requirements such as highways, railways, electric power, and ports.



parameter\type	GL-1130US	GL-1160HF
Laser class	1, eye-safe (IEC 60825-1)	
Laser source	905nm	905nm
Emission frequency	144KHz	72KHz
Operating range	65m@90%、30m@10%	100m@90%、60m@10%
Scanning frequency	100/200Hz	25/50Hz
Aperture angle	270°	270°
Angular resolution	0.25/0.5°	0.125/0.25°
Systematic error	±30mm	±40mm
Power consumption	typical≤18W; heating≤58W; Heat the power supplyDC24V	typical≤15W; heating≤55W; Heat the power supplyDC24V
Operating voltage	DC24V±4V	DC10 ~ 32V, Recommended voltage:DC24V/DC12V
Interface type	2A@DC24VLidar side	2A@DC24VLidar side; 2.5A@DC12VLidar side
Interface classification	*Power*: 5-pin; *Communication*: 4-pin; IO1: 8-pin; IO2:8-pin	
interface quantity	power: run1/heating1; net: 1; Remote signaling(YX): 2; Remote control(YK): 2; sync: 1; RS232/RS485: 1 (optional)	
Environment parameters	Wide temp-55°C ~ +70°C; room temp-20°C ~ +55°C	
Dimensions	Back out: 139.5mm×129mm×205.5mm; Down out: 125mm×129mm×220mm	
Light intensity rating	80000lux	
Enclosure rating	IP67/68	

### Product size :

