

Collision avoidance lidar

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LGS-A10

OVERVIEW

Compact, reliable and rugged Lidar for collision avoidance and for 2Dobject detection available also for outdoor applications. Very easy to install and use

Italian version at: https://www.youtube.com/watch?v=TlI6tf8nRsQ

- ToF technology on infrared laser
- 2D Measurement data for natural navigation and for object profiling
- 360° measurement for all-round scanning
- Very Compact design suitable also for smaller machines
- High precision and reliable measurement up to 25 meters
- Up to 225000 measured points per second
- Up to 25 Hz selectable rotation frequency
- 0.25° angle resolution
- Dimensions: 65 x 65 x 70 mm
- 10 m x 360° detection field
- 3 simultaneous detection outputs
- Up to 16 zone sets
- 5 selectable detection capabilities
- 10 selectable response times
- Output response time min = 80 ms



TECHNICAL FEATURES

Detection properties

Nominal sensing distance

25 m (Measurement); 10 m (Object detection)

Minimum sensing distance (blind zone)	0.1 m
Measurement range @ 10% targe remission	10 m
Angular resolution	0.25° @10Hz / 0.5° @15Hz / 1° @25Hz
Application	
Description	Compact lidar LGS-A10
Functions	AMR AGV Collsion avoidance - 2D object detection
Configuration and monitoring interface	LGS PRO
Outputs	
Response time	80 ms min
Data Transmitted	angle - distance - signal strenght of each measuring point; time stamp and more
Ethernet connection	M12 4 pins M Key D IEEE 802.3u 100Mbps Ethernet
Configurable Output max number	3 simoultaneous on M12 12 pins connector
Electrical data	
Operating Voltage	930 Vdc
Emission	Laser infrared
Mechanical data	
Dimensions	65x65x70 mm
Weight	<500 g

Material	aluminium / PC
Mechanical protection	IP67
Generical Data	
Operating Temperature	-10+60°C

Datasensing

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