

Compact Lidar Scanner

958200002

LGS-N25
COMPACT LIDAR SCANNER

OVERVIEW

Very Compact, reliable and rugged Lidar for navigation of automated guided vehicles and for object profiling available also for outdoor applications. Very easy to install and use.

- 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

TECHNICAL FEATURES

Detection properties	
Nominal sensing distance	25 m
Minimum sensing distance (blind zone)	0.1 mt
Scan angle	360 °

Application

Description	Compact lidar LGS-N25
Functions	AGV Navigation Laser Scanner
Configuration and monitoring interface	Generic web browser ; LGS Viewer

Outputs

Output type	IEEE 802.3u 100Mbps Ethernet
Data Transmitted	angle of each measuring point with 0.25° of resolution distance of each measuring point in mm signal strenght of each measuring point (0-65535) time stamp in ms each 24h/cycle rotational frequency
Ethernet connection	M12 4 pins M Key D

Electrical data

LED indicators	Power (Green) / Fault (Red)
Emission	Laser Infrared

Mechanical data

Dimensions	65x65x70 mm
Material	Metal - Aluminium / PC
Weight	<500 gr
Connections	M12
Operating temperature	-10 / +60 °C

Generical Data

Network Interface	10/100 Mbit/s Ethernet
Mechanical Protection	IP67

Datasensing S.r.l.
Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

date of printing
05/11/2026
22:14:05