

DATALOGIC LIDAR GUIDANCE SCANNER

LGS-N50

LIDAR guidance scanner ToF, 360°, 50m

- Scanning angle of 360°
- Distance up to 50 meters
- Natural navigation up to 15 meters
- Based on time-of-flight infrared laser technology



PRODUCT DESCRIPTION

LIDAR (Light Detection and Ranging) uses laser-based time-of flight (ToF) technology to construct a 360-degree view for the guidance of Automated Guided Vehicles (AGV), Laser Guided Vehicles (LGV) and Automated Guided Forklifts (AGF).

Datalogic's LGS-N50 is a compact, rugged navigation Lidar which can be mounted on suitable vehicles to provide laser-based navigation by providing distance and intensity measurement to the AGV guidance systems.

With its compact size and simple Ethernet UDP protocol, the LGS-N50 is easy to fit and simple to configure.

Combined with Laser Sentinel safety laser scanners, Datalogic offers manufacturers of Automated Vehicles a complete solution for automated vehicle guidance.

Details of the Basler Blaze ToF camera for machine vision and robot guidance applications can be found [here](#).

Details of Datalogic's safety products in conjunction with LIDAR for AVG applications can be found [here](#).

TECHNICAL DATA

Dimension (mm)

95 x 97 x 116

IP class	IP66
LED indicator	Yes
Lens material	Polycarbonate
Material of body	Aluminium alloy, Polycarbonate
Output current max	30 mA
Power consumption	7 W
Reading Field of View	0.2-2m (1.8% reflectivity), 0.2-15m (10%), 0.2-50m (80%)
Reading speed	60,000 points per second
Storage temperature max	70 °C
Storage temperature min	-30 °C
Supply voltage	12 - 32 V DC
Temperature operational max	50 °C
Temperature operational min	-20 °C
Type of light	Laser
Weight	900 g
Viewing angle	360°