

## DATASENSING LIDAR NAVIGATION GUIDANCE SCANNER

### LGS-N50

LGS-N50  
95820001 LIDAR Navigation Guidance Scanner ToF,  
360°, 50m

- Scanning Angle Of 360°
- Sensing Distance Up To 50 Meters
- For Natural Or Marker Navigation For Automated Guided Vehicles
- Based On Time-Of-Flight Infrared Laser Technology



### OPIS PRODUKTU

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](#).

## SPECYFIKACJA TECHNICZNA

Kąt odczytu	360°
Masa	900 g

<b>Materiał obudowy</b>	Stop aluminium, Poliwęglan
<b>Materiał soczewki</b>	Poliwęglan
<b>Max. temperatura pracy</b>	50 °C
<b>Max. temperatura składowania</b>	70 °C
<b>Min. temperatura pracy</b>	-20 °C
<b>Min. temperatura składowania</b>	-30 °C
<b>Napięcie zasilania</b>	12 - 32 V DC
<b>Odległość skanowania max.</b>	50 m
<b>Pobór mocy</b>	7 W
<b>Prąd wyjściowy max.</b>	30 mA
<b>Stopień ochrony IP</b>	IP66
<b>Typ światła</b>	Laser
<b>Wskaźnik LED</b>	Tak
<b>Wymiary</b>	95 x 97 x 116