

Lidar IRZ SensL-01



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Application

Assessment of the surrounding area at high resolution and measurement of the distance to the objects at any time. The Lidar can be a part of dimensional control systems and technical vision systems.

Features and Capabilities

Lidar provides detection of objects in ADAS* systems together with other sensors, creates a depth map for unmanned systems, builds a three-dimensional image, makes a semantic description of the surrounding space and issues warnings.



Technical characteristics

Parameter	Value
Wave Length	905 nm
Laser Safety Class	Class 1
Echo Mode	2
Vertical FOV	8 °
Vertical Resolution	0.5 °
Horizontal FOV	90 ° (up to 120 °)
Horizontal Resolution	0.18 °
Max Range	100 m
Min Range	0.5 m
Range Accuracy	± 2 cm
Scanning Frequency	50 Hz
Output Data Format	Azimuth, Zenith, Distance
Interface	Ethernet
Supply Voltage	24 V ± 20%
Power Consumption	< 15 W
Protection Class	IP67
Operating Temperature	- 40 °C..+ 50 °C
Size	200 x163 x 84 mm
Weight	2.5 kg

* — Advanced driver-assistance systems