

MOVIA™ Lidar Sensor

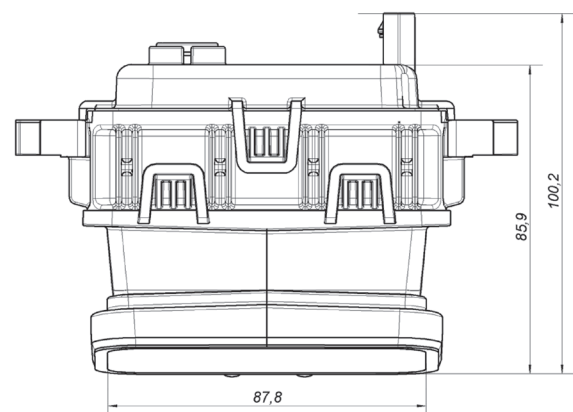
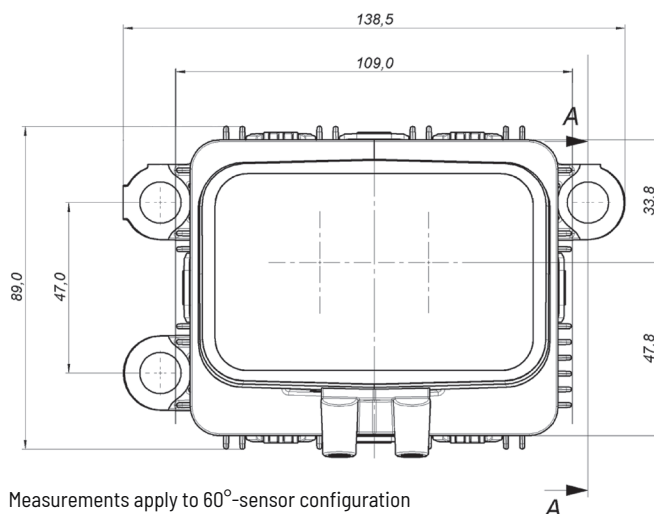
Small, light, robust and suitable for short- and mid-range automotive applications



Key Features

- ▶ Developed according to automotive-grade standards
- ▶ No moving parts and a pure semi-conductive solution instead
- ▶ More robust and more reliable over a longer period thanks to the absence of mechanical components
- ▶ With a transceiver unit with a resolution of 100 rows by 128 columns
- ▶ It scans its environment multiple hundred times row by row using sequential flashing
- ▶ Performs in adverse weather conditions due to its multi-echo capability

Technical Drawing

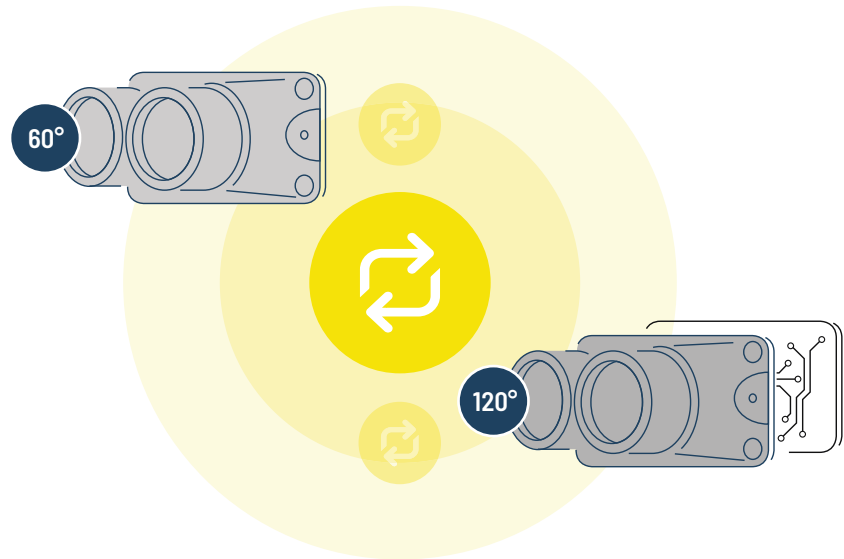


Safe mobility at the speed of life



Modular Optics Concept

MOVIA™ lidar sensor features a modular optics concept, allowing for quick and resource-saving adaptation of sensors during production to fit every use case. The same core components are usable with modular optics to allow variable fields of view. Depending on the application, 60 degree or 120 degree optics are available.



Technical Data

Technology / Laser / Optical	Short range (60°)	Near range (120°)
Max. field of view (h x v)	60° x 37.5°	120° x 75°
Max. angular resolution (h x v)	0.23° x 0.38°	0.47° x 0.75°
Design range	60 m	40 m

Technology & Innovation



No moving parts



4D Output:
Point cloud & intensity image



Variable scan frequency



High resolution



Protected from environmental
influences



Class 1 laser product



Low power consumption



Modular optics concept