



TECHNICAL DATA

LiSSA Automotive Corner (Mid Range)



Our LiDAR sensor LiSSA Automotive Corner is suitable for many Corner applications. The sensor is also purely solid state, using a 2D SPAD detector. Optics and interfaces can be customized. The sensor has very small dimensions, so it can be installed in a very space-saving way.

OPTICAL PERFORMANCE

TECHNOLOGY	SEQUENTIAL SOLID STATE LIDAR (NO MOVING PARTS), 4D DATA OUTPUT VIA ETHERNET
WAVE LENGTH	905 nm
LASER CLASS	CLASS 1, EYE-SAFETY
RANGE (10% OBJECT REFLECTIVITY)	100 m
RESOLUTION (H x V)	800 x 300 px
RESOLUTION px	240,000 px
RESOLUTION ANGULAR	0,15° x 0,15° (customizable)
FIELD OF VIEW (H x V, CUSTOMIZABLE)	120° x 45° (customizable)
NUMBER OF ECHOS	5
FRAME RATE	25 fps (customizable)*
MAX. MEASURED POINTS	12.000.000.000 measured points per second

MECHANICS/ ENVIRONMENT/ CONSUMPTION

DIMENSIONS (W x H x D, CUSTOMIZABLE)	64 x 42 x 49 mm
WEIGHT	300 g
OPERATING TEMPERATURE RANGE	-40° to +85°C
PROTECTION CLASS (DUST, WATER)	IP67 (customizable)
POWER CONSUMPTION	< 12 W

INTERFACE

DATA & POWER SUPPLY	Ethernet (ACC. CUSTOMER)
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*Please contact HLS sales

** Can be changed via software

Subject to change without notice



TECHNICAL DATA

LiSSA Automotive

Long Range



Our LiDAR sensor LiSSA Automotive long range is suitable for many applications. The sensor is also purely solid state, using a 2D SPAD detector. Optics and interfaces can be customized. The sensor has very small dimensions, so it can be installed in a very space-saving way.

OPTICAL PERFORMANCE

TECHNOLOGY	SEQUENTIAL SOLID STATE LIDAR (NO MOVING PARTS), 4D DATA OUTPUT VIA ETHERNET
WAVE LENGTH	905 nm
LASER CLASS	CLASS 1, EYE-SAFETY
RANGE (10% OBJECT REFLECTIVITY)	220 m
RESOLUTION (H x V)	400 x 300 px
RESOLUTION px	120,000 px
RESOLUTION ANGULAR	0,1° x 0,05° (customizable)*
FIELD OF VIEW (H x V, CUSTOMIZABLE)	40° x 15° (customizable)*
NUMBER OF ECHOS	5
FRAME RATE	25 fps **
MAX. MEASURED POINTS	6.000.000.000 measured points per second

MECHANICS/ ENVIRONMENT/ CONSUMPTION

DIMENSIONS (W x H x D, CUSTOMIZABLE)	64 x 42 x 62 mm (customizable)*
WEIGHT	300 g
OPERATING TEMPERATURE RANGE	-40° to +85°C
PROTECTION CLASS (DUST, WATER)	IP67 (customizable)*
POWER CONSUMPTION	< 12 W

INTERFACE

DATA & POWER SUPPLY	Ethernet (customizable)*
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