



TECHNICAL DATA

LiSSA Universal Industrial V3

Our LiDAR sensor LiSSA Industrial is suitable for many short and medium range 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 / 940nm
LASER CLASS	Class 1, eye-safety
RANGE (10% OBJECT REFLECTIVITY) @ 100 klx	0.5 – 30 m
MAX RANGE	96 m (with 5cm accuracy of distance)
RESOLUTION (H x V)	240 x 160 px
RESOLUTION px	38,400 px
RESOLUTION ANGULAR	0,5° x 0,5° (customizable) *
FIELD OF VIEW (H x V)	120° x 80° (customizable) *
ACCURACY OF DISTANCE MEASUREMENTS	3 cm
NUMBER OF ECHOS	1 (up to 4)
FRAME RATE	Up to 20 fps **
MAX. MEASURED POINTS	153.600.000 measured points per second

MECHANICS/ ENVIRONMENT/ CONSUMPTION

DIMENSIONS (W x H x D)	75 x 45 x 75 mm (customizable) *
WEIGHT	350 g (estimated)
OPERATING TEMPERATURE RANGE	-30° to +60°C
PROTECTION CLASS (DUST, WATER)	IP67 (customizable) *
POWER CONSUMPTION	< 8 W

INTERFACE

DATA & POWER SUPPLY	Ethernet (POE) (customizable) *
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*Please contact HLS sales

** Can be changed via software

Subject to change without notice