TECHNICAL DATA

LiSSA Universal Industrial

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
LASER CLASS	CLASS 1, EYE-SAFETY
RANGE (10% OBJECT REFLECTIVITY)	20 m (50 m long range version)
RESOLUTION (H x V)	260 x 80 px
RESOLUTION px	20,800 px
RESOLUTION ANGULAR	0,33° x 0,42° (customizable)
FIELD OF VIEW (H x V, CUSTOMIZABLE)	80° x 33° (customizable)
NUMBER OF ECHOS	1 (up to 32 possible)**
FRAME RATE	10 - 30 fps (customizable)*
MAX. MEASURED POINTS	2.662.400.000 measured points per second
MECHANICS/ ENVIRONMENT/ CONSUMPTION	
DIMENSIONS (W x H x D, CUSTOMIZABLE)	70 x 35 x 70 mm
WEIGHT	350 g
OPERATING TEMPERATURE RANGE	-20° to +55°C
PROTECTION CLASS (DUST, WATER)	IP44 (customizable)
POWER CONSUMPTION	< 15 W
INTERFACE	
DATA & POWER SUPPLY	USB 3.0 (ACC. CUSTOMER)

*Can be changed via software on the device.
**via software upgrade

Hybrid Lidar Systems AG · hybrid-lidar.com
TecCenter 1 · 31162 Bad Salzdetfurth · Germany
+49 5063 277 61 90 · contact@hybrid-lidar.com