

LIDAR SPECIFICATIONS

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Manufacturer	LIDAR	Software	Horizontal FOV	Min Range	Max Range	Distance Resolution	Scan Rate	Interface	Angular Resolution	Vertical FOV	Power	Voltage	Mass	Size	Tracking Targets	Sensor Fusion/Custom Options
IBEO Automotive	Features: Long Range, Multi Echo, Embedded Object Tracking/Classification, Automotive quality, IP69K. Custom sensor "fusion" systems are available.															
		LUX 2010 Standard 4 Layer	ILV visualizaion software	110° (50° to -60°)	<.3m	200m (90%)	4cm	12.5HZ 25HZ 50HZ	Ethernet, CAN, RS232	up to .125°	3.2°	8w (Avg) < 10w (Max)	9v-27v	approx 1kg	164.5 x 93.2 x 88 mm³	up to 64 objects
IBEO Automotive	Features: Long Range, Multi Echo, Embedded Object Tracking/Classification, Automotive quality, IP69K. Custom sensor "fusion" systems are available.															
		Ibeo LUX HD	ILV visualizaion software	110° (50° to -60°)	<.3m	90m (90%)	4cm	12.5HZ 25HZ 50HZ	Ethernet, CAN, RS232	up to .125°	3.2°	8w (Avg) < 10w (Max)	9v-27v	approx 1kg	164.5 x 93.2 x 88 mm³	up to 64 objects at 12.5Hz
IBEO Automotive	Features: Long Range, Multi Echo, Embedded Object Tracking/Classification, Automotive quality, IP69K. Custom sensor "fusion" systems are available.															
		Ibeo LUX 8 Layer	ILV visualizaion software	110° (50° to -60°)	<.3m	200m (90%)	4cm	6.25Hz 12.5Hz	Ethernet, CAN, RS232	up to .25°	6.4°	8w (Avg) < 10w (Max)	9v-27v	approx 1kg	164.5 x 93.2 x 88 mm³	up to 64 objects at 6.25Hz (upper 4 layers only)
IBEO Automotive	Features: Automotive Version B-(Samples available mid 2012)-Long Range, Multi Echo, Embedded Object Tracking/Classification, Automotive quality, IP69K. Custom "fusion" systems available.															
		Ibeo LUX 145	ILV visualizaion software	145°	<.3m	200m (90%)	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	up to 32 objects
Hokuyo	Features: Long Distance Laser Range Finder. Available for outdoor use because of 100,000lux for ambient illuminance and IP64 for protective structure.															
		UTM-30LX	Setup/ Viewing Software	270°	.1m	30m (90%) up to 60m	.1-10m +/-30mm 10-30m +/-50mm	25ms scan speed	USB 2.0	0.25°	N/A	700mA	12v +/-10%	370g	W60 x D60 x H87mm	N/A
Hokuyo	Features: Laser Range Finder. Multi-Echo Detection ideal for outdoor applications. Performs well in rain, snow, mist, and dust. IP67															
		UTM-30LX-EW	Setup/ Viewing Software	270°	.1m	30m (90%) up to 60m	.1-10m +/-30mm 10-30m +/-50mm	25ms scan speed	Ethernet	0.25°	N/A	700mA	12v +/-10%	370g	W62 x D62 x H87mm	N/A
Hokuyo	Features: Laser Range Finder. Multi-Echo Detection ideal for outdoor applications. Performs well in rain, snow, mist, and dust. IP67															
		UXM-30LX-EW	Setup/ Viewing Software	190°	.1m	30m (10%) up to 50m	.1 to 10m +/-50mm .1 to 30m +/-100mm	50ms scan speed	Ethernet	0.25°	N/A	500mA	10v-30v	800g	W124 x D125.5 x H150mm	N/A
Hokuyo	Features: Laser Range Finder. Compact and powerful environment detection sensor for intelligent robots. IP64															
		UHG-08LX	Setup/ Viewing Software	270°	.3m	11m (90%)	.1-1m (+/-30mm) 1-8m (+/-3% of distance)	67ms scan speed	USB 2.0	0.36°	N/A	3.6w	12v +/-10%	500g	W83 x D83 x H86.4mm	N/A
Hokuyo	Features: Compact Laser Range Finder.Low-power consumption (2.5W) for longer working hours. Optical Surface: IP64.															
		URG-04LX	Setup/ Viewing Software	240°	.2m	5.6m (90%)	.6-1m (+/-10mm) 1-4m (+/-1% of distance)	100ms scan speed	USB 2.0	0.36°	N/A	2.5w	5v +/-5%	160g	W50 x D50 x H70mm	N/A
Hokuyo	Features: "Simple URG". Ideal solution for academic and R&D start-up applications. Compact Laser Range Finder.Low-power consumption (2.5W) for longer working hours. Optical Surface: IP64.															
		URG-04LX-UG01	Setup/ Viewing Software	240°	.2m	5.6m (90%)	.6-1m (+/-30mm) 1-4m (+/-3% of distance)	100ms scan speed	USB 2.0	0.36°	N/A	2.5w	5v +/-5%	160g	W50 x D50 x H70mm	N/A
Hokuyo	Features: LED Obstacle Detection Sensor. Compact size. Used in Automated Guided Vehicle (AGV). 3 detection areas can be set by PC(RS-232C). Changeover for Max. 15 kinds of detection area. IP64															
		PBS-03JN	Setup/ Viewing Software	180°	.2m	3m		280ms or less scan speed	USB 2.0	1.8°	N/A	250ma or less	18v-30v	500g	W70 x D70 x H70mm	N/A
SICK	Features: Short Range, Outdoor. 20m. IP67															
		SICK LMS111 <small>*military and automotive applications only</small>	SOPAS ET	270°	.5m	20m >13% 18m >10%	12mm-20mm	25Hz 50Hz	Ethernet, RS232	0.25°-0.5°	N/A	8.4-12w	10.8v-30v	1.1kg	105mm x 102mm x 162mm	N/A
SICK	Features: Short Range, Outdoor. 50m. IP67															
		SICK LMS151 <small>*military and automotive applications only</small>	SOPAS ET	240°	.2m	50m >75% 18m >10%	12mm-20mm	25Hz 50Hz	Ethernet, RS232	0.25°-0.5°	N/A	8.4-12w	10.8v-30v	1.1kg	105mm x 102mm x 162mm	N/A

Disclaimer: Specifications are subject to change, without notice.

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