









Manufacturer	Model	FOV HxV (°)	Horizontal Angular Resolution (°)	Vertical Angular Resolution (°)	Min Range (m)	Max Range (m)	Accuracy (cm)	Scan Rate	Data Interface	Power (W)	Voltage (V)	Mass (g)	Size (mm)
IBEO Automotive 	LUX 4L (2010)	110x3.2	up to 0.125	0.8	0.5	50(@10%) 150(@90%)	10	12.5/25/50 Hz	ETH/CAN	8	9-27	1000	165x93x88
IBEO Automotive 	LUX 8L	110x6.4	up to 0.125	0.8	0.5	50(@10%) 150(@90%)	10	6.25/12.5/25 Hz	ETH/CAN	8	9-27	1000	165x93x88
IBEO Automotive 	LUX HD	10x3.2	up to 0.125	0.8	0.5	30(@10%) 90(90%)	10	12.5/25/50 Hz	ETH/CAN	8	9-27	100	165x93x88
IBEO Automotive 	IBEO SCALA B3	145x3.2	up to 0.25	0.8	0.5	80m (6.3%)	10	25(inner) 12.5(outer) Hz	ETH/CAN	6	9-16	510	108x102x60
Velodyne 	HDL-64E	360x26.9	5Hz: 0.08° 10Hz: 0.17° 20Hz: 0.35°	0.4		120	2	Single Return Mode: ~1.3M pps Dual Return Mode: ~2.2M pps	ETH	60	12-32	12700	215x215x283
Velodyne 	HDL-32E	360x41.3	5Hz: 0.08° 10Hz: 0.17° 20Hz: 0.35°	1.33		100	2	Single Return Mode: ~695K pps Dual Return Mode: ~1.39M pps	ETH	12	9-18	1000	85x85x144
Velodyne 	Puck LITE (VLP-16)	360x30	5Hz: 0.1° 10Hz: 0.2° 20Hz: 0.4°	2		100 (@80%)	3	Single Return Mode: ~300K pps Dual Return Mode: ~600K pps	ETH	8	9-18	590	103x103x72
Velodyne 	Puck (VLP-16)	360x30	5Hz: 0.1° 10Hz: 0.2° 20Hz: 0.4°	2		100 (@80%)	3	Single Return Mode: ~300K pps Dual Return Mode: ~600K pps	ETH	8	9-18	830	103x103x72
Velodyne 	Puck Hi-Res (VLP-16)	360x20	5Hz: 0.1° 10Hz: 0.2° 20Hz: 0.4°	1.33		100 (@80%)	3	Single Return Mode: ~300K pps Dual Return Mode: ~600K pps	ETH	8	9-18	830	103x103x72
Velodyne 	Ultra Puck (VLP-32C)	360x40	5Hz: 0.1° 10Hz: 0.2° 20Hz: 0.4°	0.33 *min*		200	3	Single Return Mode: ~600K pps Dual Return Mode: ~1.2M pps	ETH	10	10.5-18	925	103x103x87
Velodyne 	Alpha Puck (VLS-128)	360x40	0.2	0.1		300							

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SICK 	LD-MRS400001	110x3.2	up to 0.125	0.8	0.5	50(@10%) 150(@90%)	10	12.5/25/50 Hz	ETH/CAN	8	9-27	1000	165x93x88
SICK 	LD-MRS800001	110x6.4	up to 0.125	0.8	0.5	50(@10%) 150(@90%)	10	6.25/12.5/25 Hz	ETH/CAN	8	9-27	1000	165x93x88
SICK 	LD-MRS400102	110x3.2	up to 0.125	0.8	0.5	30(@10%) 90(90%)	10	12.5/25/50 Hz	ETH/CAN	8	9-16	1000	165x93x88
SICK 	LD-MRS UAV	10x3.2	up to 0.125	0.8	0.5	50(@10%) 150(@90%)	10	12.5/25/50 Hz	ETH/CAN	8	9-27	770	165x93x88
SICK 	LMS111	270	0.25/0.5		0.5	18(@10%) 20(max)	4	25/50 Hz	ETH/CAN	8	10.8-30	1100	105x102x152
SICK 	LMS151	270	0.25/0.5		0.5	18(@10%) 50(max)	4	25/50 Hz	ETH/CAN	8	10.8-30	1100	105x102x152
SICK 	LMS500-21000 Lite	190	0.25/0.5/1		0	26(@10%) 80(max)	4	25/35/50/75	ETH/CAN	22	24	3700	160x155x185
SICK 	MRS1104C-111011	275x7.5	0.25	2.5	0.2	16(@10%) 30(@90%)	3	50 (55k-165k pps)	ETH	13	10-30	1200	152x150x93
SICK 	TIM551-2050001	270	1		0.05	2	2	15	ETH/USB	4	9-28	250	60x60x86
NEPTEC 	Opal 3 P500 (Conical)	45/60/90/ 120	Rosette...	Rosette...		500(@low)	2.5	300k pps (single)	ETH	110	18-36	11800	178x178x338
NEPTEC 	Opal 3 P500 (Panoramic)	360x45	Rosette...	Rosette...		500(@low)	3.5	300k pps (single)	ETH	110	18-36	13200	178x178x456

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 NEPTEC	Opal 3 P1000 (Conical)	45/60/90/120	Rosette...	Rosette...		1000(@low)	2.5	300k pps (single)	ETH	110	18-36	11800	178x178x338
 NEPTEC	Opal 3 P1000 (Panoramic)	360x45	Rosette...	Rosette...		1000(@low)	3.5	300k pps (single)	ETH	110	18-36	13200	178x178x456
 Hokuyo	UTM-30LX-EW	270	0.25		0.1	30	3	25ms (@2400rpm) = 40Hz	ETH	8	12	210	62x62x88
 Hokuyo	UST-05LN	270	0.5		0.006	5	4	25ms (@2400rpm) = 40Hz	USB	4	10-30	130	50x50x70
 Hokuyo	UST-10LX	270	0.25		0.06	4(@10%) 10(max)	4	25ms (@2400rpm) = 40Hz	ETH	4	10-30	130	50x50x70
 Hokuyo	UST-20LX	270	0.25		0.06	8(@10%) 20(max)	4	25ms (@2400rpm) = 40Hz	ETH	4	10-30	130	50x50x70
 Hokuyo	UXM-30LX-EW	190	0.25		0.1	30(@10%) 100(max)	5	50ms (@1200rpm) = 20Hz	ETH	6	10-30	800	124x126x150
 Leddartech	M16	45	0.25/0.5/1		0	100	5	up to 100Hz	USB, CAN, Serial	4	12/24	180	104x66x48