



ALDS PLS60 Technical Specification

Parameter	Value
Maximal detection range (Wide & reflective object).	Up to 60m radius (120m diameter)
Maximum Detection Range for a low (10%) reflective object	Max. 50m
Angular resolution	1 mRad (0.057°) @ 2 scan/sec 2 mRad (0.114°) @ 4 scan/sec 3 mRad (0.172°) @ 6 scan/sec 4 mRad (0.229°) @ 8 scan/sec 6 mRad (0.344°) @ 12 scan/sec
Maximal scanning angle	200°
Beam inclination angle	0° ± 0.3°
Number of Tracked Objects	16 simultaneously
Dynamic environmental adaptation (trees, bushes, etc.)	Yes
Scan Rate	2 Hz - 12 Hz adjustable
Pulse Repetition Frequency (PRF)	12 kHz
Mounting Height	0-8m
Automatic video tracking via external PTZ	Yes
Output interface	RS485 Half duplex / Dry contact
Output data	Target azimuth, range, system info.
Laser protection class	FDA Class 1 (eye safe)
Wavelength	905nm
Operating Ambient Temperature	-30°C - 50°C
Storage Temperature	-40°C - 80°C
Sensor power requirements	12 VDC ± 10% @ 0.7A (8 Watt)
Onboard heater power requirements	12 VDC ± 10% @ 1.6A (20 Watt)
Installation position	Vertical curtain / Horizontal area
Enclosure rating	IP 67
*Weight	2270 g
*Dimensions (H x W x D)	200 x 120 x 110 mm

* not including cover and connector