



ALDS LFS Sentry Technical Specification

Parameter	Value
Maximal detection range (Wide & reflective object).	60m/100m/130m/160m
Maximum Detection Range for a low (10%) reflective object	Max. 35m-80m
Angular resolution	2 miliRadians (0.115°)
Required detection time	<1 second
Number of Tracked Objects	16 simultaneously
Dynamic environmental adaptation (trees, bushes, etc.)	Yes
Scan Rate	5-6 Hz
Pulse Repetition Frequency (PRF)	6-7 kHz
Mounting Height	0-30m
Automatic video tracking via external PTZ	Yes
Output interface	RS485 Half duplex / Dry contact
Video cameras (on optional models)	3-4 fixed B/W 0.01 lux embedded cameras
CCD sensitivity	0.01 Lux
Video output	Composite video 1V p-p @ 75Ω
Output data	Target azimuth, range, system info.
Laser protection class	FDA Class 1 (eye safe)
Wavelength	905nm
Operating Ambient Temperature	-32°C - 50°C
Storage Temperature	-50°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	5 kg
*Dimensions (H x W x D)	260 x 250 x 150 mm

* not including cover and connector