



ALDS PLS Protector 100

Technical Specification

Parameter	Value
Maximal detection range (Wide & reflective object).	Up to 100m radius (200m diameter)
Maximum Detection Range for a low (10%) reflective object	Max. 75m
Angular resolution	1 miliRadians (0.057°)
Maximal scanning angle	360°
Beam inclination angle	0° - 7°
Number of Tracked Objects	16 simultaneously
Dynamic environmental adaptation (trees, bushes, etc.)	Yes
Scan Rate	2 Hz
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	-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	1980 g
*Dimensions (H x W x D)	187 x 130 x 145 mm

* not including cover and connector