



ALS-D Sensor Specifications



Parameter	Value
Maximal detection range (Wide & reflective object).	Up to 200m
Maximum Detection Range for a low (10%) reflective object	Max. 155m
Capability to detect crawling intruder (maximal detection distance).	100 – 150 m
Angular resolution	1 miliRadians (0.057°)
Maximal scanning angle	360°
Beam Inclination Angle	0° ÷ 4° Factory Preset
Required Detection Time (Algorithm at Maximum Performance for low false alarm rate).	2 second.
Number of Tracked Objects	16 simultaneously
Adaptivity to periodically movement objects (trees, bushes, etc.)	Yes
Scan Rate	0.75 ÷ 1.1 Hz
Pulse Repetition Frequency (PRF)	4.5 ÷ 6.6 kHz
Mounting Height	0-8m
Possibility additional tracking PTZ Dome camera / spotlight.	Yes
Output interface	RS485 Half duplex / PTZ / Dry contact
Laser protection class	Class 1 (eye safe)
Wavelength	905nm
Operating Ambient Temperature	- 30°C ÷ + 50°C
Storage Temperature	- 50°C ÷ + 80°C
Supply voltage	12 VDC ± 10% @ 0.8 A (9.7 Watt)
Heater Supply voltage	12 VDC ± 10% @ 3.5 A (48 Watt)
Installation position	Vertical / Horizontal
Enclosure rating	IP 67
*Weight	10 Kg
*Dimensions (W x D x H)	265 x 300 x 315

* Not include cover