



ALS Centurion 300 Technical Specification

Parameter	Value
Maximal detection range (Wide & reflective object).	Up to 300m radius (600m diameter)
Maximum Detection Range for a low (10%) reflective object	Max. 200m
Crawling intruder detection (maximal detection range)	150-200m
Angular resolution	0.7 miliRadians (0.04°)
Maximal scanning angle	360°
Beam inclination angle	0° ÷ 5° factory preset
Number of Tracked Objects	16 simultaneously
Required detection time	2-3 secs
Dynamic environmental adaptation (trees, bushes, etc.)	Yes
Scan Rate	0.75 – 1Hz
Pulse Repetition Frequency (PRF)	4.5-6 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% @ 0.8A (9.7 Watt)
Onboard heater power requirements	12 VDC ± 10% @ 3.5A (48 Watt)
Installation position	Horizontal wide area
Enclosure rating	IP 67
*Weight	4.7 Kg
*Dimensions (D X H)	260 x 270 mm

* not including cover and connector