



2D-MND-125/250-16/48

Sensor specification

Parameter	Value
Maximal Detection Range (typical drone 40cm high reflectivity).	Up to 125 / 250 m
Maximal Detection Range (typical drone 40cm low reflectivity).	Up to 80 / 125 m
Angular Resolution	4 mRad @ 16 / 48 scan/sec
Maximal Detection Speed (typical drone 40cm).	10 m/sec
Maximal Scanning Angle	100°
Beam Inclination Angle	0 ±0.5°
Self -Adaptation of the Algorithm Thresholds to account for changing environment and moving vegetation.	Yes
Provides Smooth Tracking of the Intruder by Automatic Slaving of PTZ by the Sensor or the CC Software.	Yes
Pulse Repetition Frequency (PRF)	12 kHz
Output Interface	Dry contact / RS 485
Laser Safety Class	Class 1 (eye safe)
Wavelength	905nm
Operating Ambient Temperature	-25°C ÷ + 50°C
Optional: Extended Temperature Range	-40°C ÷ + 55°C
Storage Temperature	- 40°C ÷ + 70°C
Relative humidity environment	≤ 95%
*Supply Voltage (not include heater)	12VDC ±10% @ 0.7 A (8.5 Watt)
Supply Voltage Heater	12VDC ±10% @ 2 A (25 Watt)
Extended Temperature Range Supply Voltage Heater	12VDC ±10% @ 4 A (50 Watt)
Installation position	Vertical / Horizontal
Enclosure rating	IP 67
**Weight	5.9 Kg
**Dimensions (W x D x H)	315 x 255 x 150 mm

* Start current maybe up to 2 A

** Not include cover bracket and connector's protrusion.