

# Radar Detection Series

## MIRAD-1000

### Technical Specifications

#### Wide Area Detection Radar

FOR EXTERNAL APPLICATIONS

- Easy to use, install and maintain
- High resolution MIMO digital beam-forming radar
- Detection range up to 800m Human and 1000m for Vehicle / Boat
- No moving parts. MTBF of 50,000 hours.



RADAR TECHNOLOGY	
Radar	MIMO digital beam-forming radar
Frequency	5.8GHz
Scan Rate	2 scans per second
Antennas	Phased Array
Moving parts	No
MTBF	50,000 hours

COVERAGE	
People	800 meters
Vehicle / Boat	1000 meters
Drone	100 meters
Azimuth	100°
Elevation	30°
Range resolution	<1 m
Azimuth accuracy	1°
Target Speed	0.3 – 30m/sec.
False alarm rate	< 1 per day
Tracking	Built-in tracker

GENERAL	
Power	POE supported models 48V – 5W
Interface	Ethernet with POE according to IEEE 802.3at Type 1 (802.3af) and Type 2
Weight	3Kg
Dimensions	250mm(w) x 300mm(h) x 80mm(d)
Weatherproof	IP67
Certificates	FCC & CE compliant

Height [meters]	Range [meters]	Tilt angle [deg.]
3	50	-3
3	100	-2
3	200	-1
3	300	0
3	400	0
5	50	-6
5	100	-3
5	200	-2
5	300	-1
5	400	0
10	50	-11
10	100	-6
10	200	-3
10	300	-2
10	400	0

