



Munin

4D IMAGING RADAR

2K ultra-high resolution

ABOUT

The Munin radar is designed for fixed installation and pushes the boundaries of perception in a variety of use cases like perimeter surveillance, smart city and traffic management applications. Featuring expansive 100° wide field-of-view, the Munin radar provides large areal coverage while optimizing efficiency and cost.

PRODUCT FEATURES

Frequency range: 76-81 GHz

Bandwidth: Up to 1.65 GHz

Antennas: 48 TX x 48 RX MIMO configuration

Dimensions: 15 x 12 x 5 cm

Weight: approx. 1 kg

Mounting: VESA

Power Consumption: AVG 15 W, Peak 20 W

Temperature Range: -40 °C to +85 °C

Interface: POE

Update rate: 20-30 FPS

Number of simultaneously tracked objects: >500

Minimal impact by dust and inclement weather

Enables Multi-object detection – tracking, counting, speed measurement and classification

Long lifetime and low maintenance

High resolution enables detection and classification of small objects

APPLICATION FIELDS

Perimeter Surveillance

Traffic management

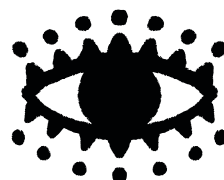
Smart Cities

CERTIFICATION QUALIFICATION

Regulatory: CE, RED, Telec-Japan, NDAA compliance

Environmental: ISO 16750

Ingress protection: IP67



sensrad

Mode	Short	Mid	Long	Ultra Long
Resolution (3dB Beamwidth)				
Range	10 cm	20 cm	50 cm	50 cm
Azimuth	1.2°	1.2°	1.2°	1.2°
Elevation	1.5°	1.5°	1.5°	2.5°
Doppler	0.1 m/s	0.1 m/s	0.2 m/s	0.2 m/s
Detections Space				
Range*	0.2 m - 40 m	1 m - 100 m	5 m - 220 m	5 m - 400+ m
Azimuth	100° (±50°)	100° (±50°)	100° (±50°)	100° (±50°)
Elevation	30° (±15°)	30° (±15°)	30° (±15°)	10° (±5°)
Doppler	-54 m/s to +108 m/s	-54 m/s to +108 m/s	-54 m/s to +108 m/s	-54 m/s to +108 m/s

*Instrumented Range

CUSTOMIZATION

