

## Ra RADiRguard™ CITY

ALL-IN-ONE DISCREET SURVEILLANCE WITH AI DETECTION AND ALERT, FOR SMARTER CITIES AND SECURE NATIONS.

### ENHANCED SECURITY AND ACCESS CONTROL

Introducing RADiRguard CITY, our NiDAR AI powered, all-in-one urban security system. Employing discreet yet powerful surveillance capabilities, RADiRguard CITY redefines the safeguarding of civilian landscapes and event venues, harnessing advanced artificial intelligence to identify potential threats, delivering precise risk assessments that empower operators to make informed decisions swiftly.

Its modular architecture seamlessly integrates technologies such as number plate and facial recognition, sound monitoring, and a 360° camera for panoramic awareness. The proprietary NiDAR interface places real-time control in the hands of operators, while the system's amalgamation with remote sensors and access mechanisms enhances security and capabilities to new heights. RADiRguard City offers both hybrid and off-grid installations via Solar PV's.



360° EO  
CAMERA



MODULAR  
CONFIGURATION



ENERGY  
INTEGRATED



NiDAR AI  
POWER



OBJECT  
TRACKING



#### 360° CAMERA

Optical and infrared cameras for object detection, tracking and classification

#### SOLAR ENERGY AND BATTERY BACKUP

#### SMART STREET LIGHTING

#### MICROPHONE

Distinguish conversations up to 15m

#### MODULAR CONFIGURATION

CAPABILITY

Coverage	360° audio and video, 80m detection and tracking of objects of interest
AI Classification	Smart city analytics (object classification, virtual fence crossing, people counting, people gathering, vehicle counting, face recognition, license plate recognition)*
Perimeter Control	Line crossing, intrusion, region entrance, region exiting by specified target types (human and vehicle), behaviour analysis, rule base warnings and alarms.
Cameras	4 cameras at 8Mpixel with combined 360° coverage
Microphone	Distinguish conversations up to 15m
Luminaire	60W LED
Network Connection	Wireless and wired
Environmental	IP66 and IK09
Batteries	LiFePO4, High temperature (65°C)
Battery Lifetime	7,000 cycles; ~ 19 years at 25°C
Power supply	Solar / Grid (110 V / 220 V) / Hybrid
Mounting and Installation	All-in-one, pole included
Weight	170-250kg
Dimensions	Height = 4-8m Diameter = 18cm
Operating Conditions	-30°C to 60°C
Modules	360 Vision, Microphones, Face recognition, License plate recognition, Luminaire

\* some features are under development



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