

ADVANCED PERIMETER SYSTEMS

OMNI-GUARD PERIMETER RADAR

Omni Guard Perimeter Radar is the low cost radar solution for real-time intrusion detection and automatic CCTV camera control. It detects and tracks humans and vehicles at up to 200m range over the full 360 degrees. On detection the radar automatically controls and points a camera at the intruder and sends alarms to local recorders or remote-control centres.



INNOVATIVE DESIGN



BENEFITS

- Scans full 360° every second
- Targets shown on map in real time
- Alarm integration to VMS systems
- All weather operation
- No hidden costs
- Extremely effective detection



ALARM PROTECTION

The radar will detect the movement of potential intruders and control cameras to help identify the threat. The radar will also filter out small animals to avoid nuisance alarms.



KEY FEATURES

- 360 degree coverage.
- 200m Range – Up to 200m detection range (400m diameter)
- Programmable detection zones
- All weather operation



TARGET TRACKING

One Radar device can track up to four humans or vehicles simultaneously per sector.

WE CARE ABOUT YOUR SECURITY



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SPECIFICATIONS

OPERATION	Detect a person or vehicle, slew camera, track and trigger alarm.
DETECTION RANGE	Up to 200m in all directions (400m diameter)
TARGET RANGE RESOLUTION	Approximately 1.5m
TARGET ANGULAR RESOLUTION	Approximately 2.6 degrees
ELEVATION BEAM SHAPE	Spread beam (for best performance at all ranges)
MINIMUM TARGET SPEED	0.5 meters per second nominal towards radar
SCAN RATE	360 degrees per second.
SOFTWARE	Built-in, no software licenses required.
USER INTERFACE	Web browser based GUI (Graphical user interface)
TELEMETRY INTERFACES	Ethernet 100Mbps, RJ45 port.
CAMERA INTERFACE	Up to 4 PTZ cameras. ONVIF Profile S (absolute zero positioning).
VMS INTERFACE	Accessed through GUI. Compatible with many popular VMS
IP AND WIND RATING	IP66, 200kph.
GPS	Used for synchronisation of multiple radars and location mapping.
OPERATING FREQUENCY BAND	24.05 - 24.25 GHz (license exempt ISM band).
RADAR TYPE	FMCW.
TRANSMITTING POWER	+20dBm (100mW) EIRP.
POWER SUPPLY	Power-over-Ethernet (PoE), 802.3af compliant or 24V DC.10W.
DIMENSIONS	248mm diameter max x 323mm tall (ignoring studs/connectors).
WEIGHT	3.2Kg
BRACKET	Standard 4 inch PCD (101.6mm) (Not Supplied), Optional bracket spacer.
APPROVALS	EN300440 RF, EN301489 EMC, IEC60950 Safety
ALARM RELAY	Programmable (NO/NC) Volt-free contact (relay), 24V, 25mA max. Active impedance nominal 45ohms, inactive impedance > 100kohms.

**WE OFFER TRAINING TO ENABLE YOUR TEAM TO
INSTALL THE SOLUTION INDEPENDENTLY.
ALTERNATIVELY, WE HAVE A GLOBAL NETWORK
OF TRUSTED INSTALLERS WHO CAN PROVIDE
INSTALLATION SUPPORT WHEREVER YOU NEED IT.**

