

ALL WEATHER MULTI-TERRAIN THREAT DETECTION

Scan-360 is the low cost Radar solution for
CCTV real-time intrusion detection



scan



FEATURES

Low Cost

Standalone version - alarms on detection

Integrated version - slews camera to target

VMS integration (optional)

Out to 200 meters range

All weather capacity

360° detection

Compact design

Easy to install, set-up and calibrate

Programmable settings for masking etc.

MICROWAVE TECHNOLOGY

*The system operates
in the licence exempt
24 GHz band*

APPLICATIONS

*Scan-360 provides low cost intruder detection to protect people,
vulnerable infrastructure or high value assets where secure
perimeters need to be established or maintained.*

www.scan-360.org.uk





TECHNOLOGY

Scan-360 incorporates innovative and advanced signal processing technology that allows the unit to learn about the environment it operates in and be programmed, during the initial installation via laptop, to establish privacy zones.

HIGH PERFORMANCE

Designed as a robust and rugged unit using the proven microwave technology developed over more than 20 years by Ogier Electronics.

SPECIFICATION

| | |
|----------------------------------|--|
| Operation | Detect a person or vehicle, slew camera and alarm VMS. (Picks first and alerts VMS that there is more than 1) |
| Detection range | Up to 200m in all directions (400m diameter) |
| Target | Multiple detections per rotation |
| Modes | Stand-alone and VMS integration |
| Set-up | Manual positioning of radar and camera to distant object, then press calibration button, the camera slews to the set field of view. Additional options available include for fine tuning performance, camera zoom and tilt and VMS config. |
| User interface | Web-browser based Graphical User Interface (GUI) |
| User options | Map download function. 36 zones (every 10°) can be set for detection distance 0 - 200m, in 1m steps. In addition can add multiple separate user drawn zones of interest with priority settings. |
| Install height | Recommended 2m to 6m pole mounted |
| Camera tilt/zoom | Adjustable via website |
| Telemetry interfaces | ONVIF, Ethernet 100Mbps, RJ45 port. Circular multi-pole header for alarm relay. |
| Software | Upgradeable in service using website |
| Targetting data | Output to third party software, IP alarm function. |
| Supplied kit | Radar, operating manual. Optional 10m-cable tail for separate 24V power, alarm relay and sync interface. Optional bracket spacer. |
| Operating frequency band | 24.05 - 24.25 GHz (license exempt ISM band) |
| Transmitted power | +20dBm (100mW) EIRP |
| Radar technology | FMCW |
| Target range resolution | approx 1.5m |
| Target angular resolution | approx. 2.6 degrees |
| Minimum target speed | 0.5 metres per second nominal toward radar |
| Elevation beam shape | Spread beam (for best performance at all ranges) |
| Scan rate | 360 degrees every second. |
| Network | Ethernet, 100Mbps, RJ45 port |
| Alarm relay | Volt-free contact (relay), max voltage 24V, max current 25mA. Active impedance nominal 45ohms, inactive impedance > 100kohms. |
| Power supply | Power-Over-Ethernet (POE), 802.3af compliant or 24V DC. |
| Power consumption | 10W nominal |
| Temperature range | -20°C to +55°C (-40°C to +55°C with heater option installed) |
| Bracket | Standard PCD 4 (101.6mm) (Not Supplied), Optional bracket spacer. |
| Routine maintenance | None required |
| Wind | Up to 200 Kph |
| Colour | Light grey standard, optional camouflage paint schemes. |
| Dimensions | 248mm diameter max x 310mm tall (ignoring studs/connectors) |
| Weight | 4.0Kg |
| IP rating | IP66 |
| Approvals | EN300440 RF, EN301489 EMC, IEC60950 Safety. |
| RF Hazard | None (<0.5mW/sq cm average at antenna) |



Ogier Electronics reserve the right to alter this specification without notification



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INSTALLATION

The design of the Scan-360 includes a number of features that make it easy to install by any qualified CCTV engineer, a major step forward from existing units that typically require specially trained engineers.