ALL WEATHER INTRUDER DETECTION

Scan-360 is the low cost radar solution for real-time intrusion detection and automatic CCTV camera control
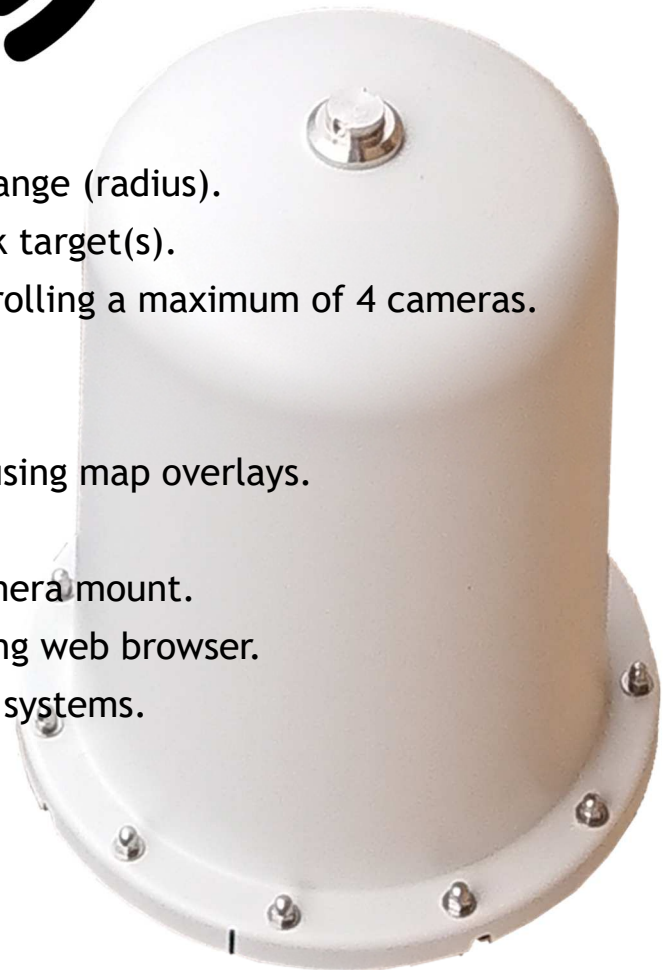
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FEATURES

- 360^0 coverage with up to 200m detection range (radius).
- Automatically slews PTZ camera(s) to track target(s).
- Tracks up to 8 intruders, intelligently controlling a maximum of 4 cameras.
- User defined detection zones.
- User defined schedules.
- In-built GPS simplifies zone configuration using map overlays.
- Power-over-Ethernet (PoE).
- Simple installation - uses standard PTZ camera mount.
- Intuitive GUI interface for quick set-up using web browser.
- Integration with VMS and other third party systems.
- Low cost - No software licenses required.
- High reliability

APPLICATIONS

Provides perimeter and wide area protection for people, infrastructure and high value assets in temporary and fixed locations such as:- oil fields, warehousing, science parks, private estates, airports, prisons, quarries, construction sites, industrial estates, sporting venues, power stations, water treatment plants, petro-chemical plants.

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TECHNOLOGY

Scan-360 incorporates innovative and advanced signal processing technology allowing the unit to learn about its environment. The web browser GUI simplifies multi-zone set-up enabling rapid deployment. Scan-360 is suitable for temporary and fixed installation.

HIGH PERFORMANCE

Robust, rugged design and construction with proven microwave technology delivering unrivalled maintenance free operation.

SPECIFICATION

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	approx. 1.5m.
Target angular resolution	approx. 2.6 degrees.
Elevation beam shape	Spread beam (for best performance at all ranges).
Minimum target speed	0.5 metres per second nominal toward radar.
Radar Tracking	Radar tracks up to 4 targets per quadrant, 8 targets over 360^0
Scan Rate	360^0 per second.
Software	Built-in—no software licenses required.
User interface	Web browser based GUI (Graphical User Interface).
Telemetry interfaces	Ethernet 100Mbps, RJ45 port. Circular multi-pole header for alarm relay.
Camera Interface	Up to 4 PTZ cameras. ONVIF Profile S (absolute zero positioning).
VMS interface	Accessed through GUI. Compatible with ADAMS and many popular VMS.
Alarm Relay	Programmable (NO/NC) Volt-free contact (relay), 24V, 25mA max. Active impedance nominal 45ohms, inactive impedance > 100kohms.
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.
Transmitted 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.
Colour	Standard colour –Light grey. RAL colours and Camouflage finish optional.
IP and wind speed rating	IP66, 200kph.
Installation Height	Recommended 2m to 6m pole mounted.
Approvals	EN300440 RF, EN301489 EMC, IEC60950 Safety.
RF Hazard	None (<0.5mW/sq cm average at antenna.

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INSTALLATION

The design of Scan-360 includes a number of mechanical and software features including an intuitive interface meaning any qualified CCTV engineer can install it without the need for specialist training