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Product Brochure

PREDATOR RADAR

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PREDATOR RADAR

DESIGNED AND MANUFACTURED IN THE UK IP68 · ONVIF · Full HD 1080

FULL 1080P HIGH DEFINITION VIDEO

Introducing the Predator Radar
Unique Integrated Radar & Predator 1080p HD Camera

Cost Effective Perimeter/Wide Area Surveillance
Upto 200m Radius/400m Diameter Constant Surveillance.

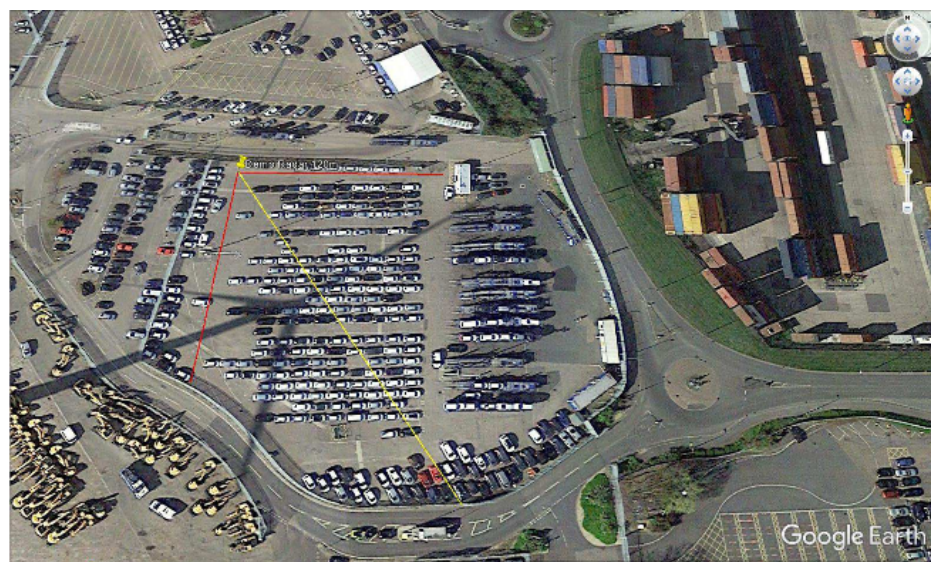Predator Radar is designed for applications where wide area detection and tracking of moving objects is required.

Predator Radar does not need visual clarity and therefore works in all weather conditions - rain, fog, snow, mist, coastal as well as extreme hot and cold climates.

Predator Radar scans 360° once every second to detect and automatically track multiple objects.

Multiple objects can be tracked using sophisticated and intelligent "Time Share" alarm handling - ensuring ALL alarms are evenly or priority handled.

Alarms output facility allows notification to the operator that a target is being tracked, even when the camera is looking elsewhere.

Incorporating software features such as controlling Predator Intelligent Illumination to give White Light "spotlight" tracking for Human activation or Infra Red for vehicle activation.

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FULL 1080P HIGH DEFINITION VIDEO

High Speed High Definition Ruggedised RADAR Controlled Pan, Tilt and Zoom Camera

UK Manufacture
Designed and Manufactured in the UK.

Paint Colour Options
Any colour, any quantity.

Attack Detect Feature
Predators will automatically return to their original position if physically moved/attacked.

Protocols
ONVIF 'S' complaint or 360SDK, see our web site for the many compatible VMS systems.

Intelligent Lighting control
Illumination automatically adjusts the lighting intensity to ensure the highest quality images under variable lighting conditions.

Illumination
Full range of 'Patent Pending' Dual IR & White Light options. Up to 200 metres of IR lighting and/or white light giving 'COLOUR VIDEO at NIGHT'. Sirius illumination combines narrow, medium and wide angle lenses to give a wide range of light spread (from 9° to 50°). Choice of standard IR 850nm or covert 940nm available.

IP68 Certification
IP68 certified for the harshest environments.

360 Enhanced Low Light cameras
360 Enhanced low light cameras with mono video images as low as 0.0008 lux (no illumination)

Built in EDGE recording option - 128 or 256Gb Storage on board
Continuous/FTP Upload/Network Loss/Alarm Scheduled recording option to On Board Storage.

Privacy Zones
24 privacy zones are available with simple joystick positioning and sizing.

Maritime Paint
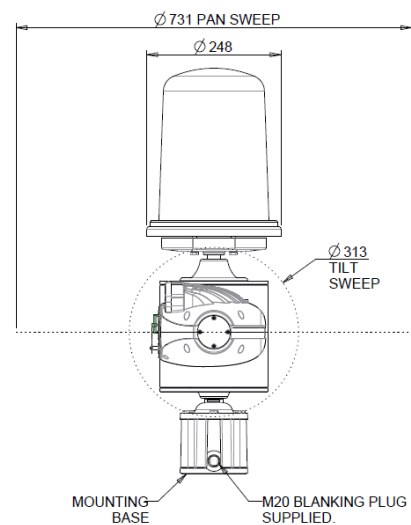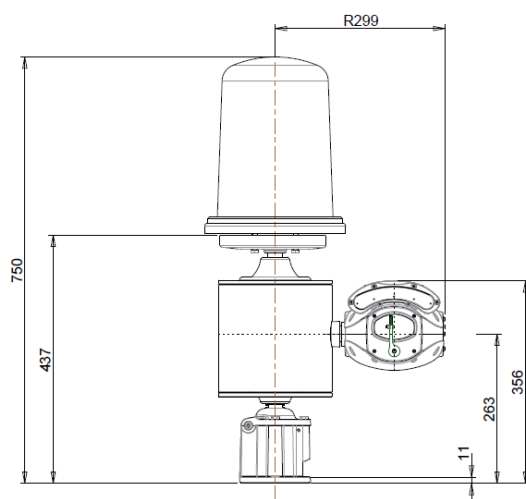10 year maritime paint option.

Warranty
3 year warranty

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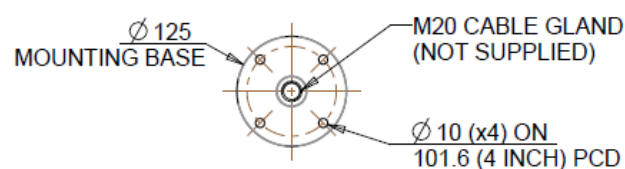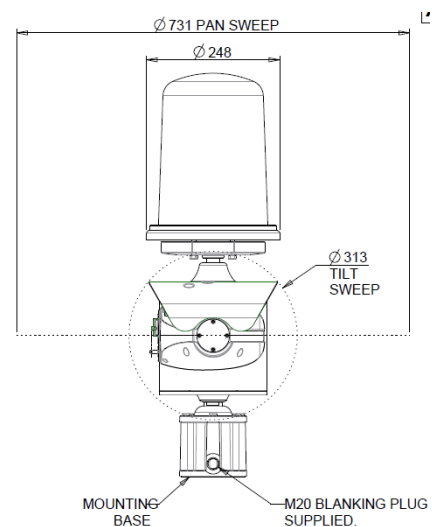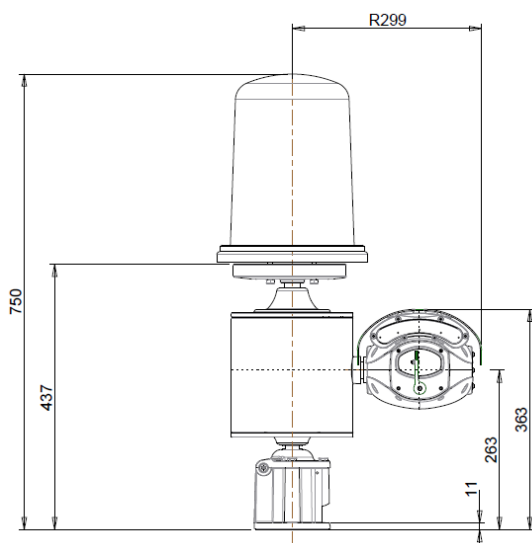DESIGNED AND MANUFACTURED IN THE UK | IP68 | Onvif | Full HD 1080

Predator Radar Scan 360 with High Intensity LED array

Predator Radar Scan 360 with High Intensity LED array & sunshield

PRODUCT SPECIFICATION	30x HD ENHANCED LOW LIGHT
Colour/Mono	Yes
Imager (CMOS)	1/2.8-type Exmor R
Zoom - Optical + Digital	30x, 12x
Zoom - Total	360x
Pixels	Approx 2.13 Megapixels
Horizontal view angle	2.3°(T) - 63.7°(W)
Lens Size	4.3 - 129mm
Min Sensitivity - colour	0.0013 Lux
Min Sensitivity - mono Int	0.0008 Lux
Signal Noise Ratio	>50dB
Picture Freeze	Yes
Picture Flip	Yes
PRODUCT FEATURES	ALL PREDATOR units have the following functions
Focus/Iris	Auto/Manual
Presets	360
Tours	4 (max 90 presets per tour)
Learned Patrols	4 mimic tours - up to 30 minutes duration each
Privacy Zones	Up to 24
Variable pan speed/coverage	0.1 - 120°/sec, 360° continuous rotation, absolute positioning
Variable tilt speed/coverage	0.1 - 120°/sec, 180°, absolute positioning
Auto Homing	Goes to preset, tour or mimic tour after prescribed time
Col/Mono Changeover	4 levels - 3 fixed, 1 custom/user defined
Operating temperature	-50°C to +60°C with optional heater
Power	24vdc/30vdc
Mounting options	Wall, Corner, Pole and Soffit
Certification	CE & FCC approval; Ingress IP68; Impact IK10; Vibration & Shock certified approvals

SIRIUS ILLUMINATION	IR & WHITE LIGHT		
IR75	IR 75 metres		
IR125	IR 125 metres		
IR100WL	IR 100 metres, WL 100 metres		
CODEC	25fps	ASPECT	30fps
HD1080p	1920x1080	16:9	1920x1080
HD720p	1280x720	16:9	1280x720
D1	720x576	4:3	720x480
VGA	640x480	4:3	640x480
QVGA	432x240	16:9	432x240
Distribution	Multi Codec 2 streams		
Image Compression	H.264, MPEG4, MJPEG		
Protocols	ONVIF (S), TCP/IP, HTTP, RTP, RTSP, 360SDK		
Compression levels	CBR, VBR CVBR		

RADAR FEATURES	
Maximum Range	200m Man/Vehicle Radius
Range Resolution	1m
Beamwidth - Azimuth	6°
Beamwidth - Elevation	Spread Beam
Measurement Rate	800 per second
Field of View	360°
Scan Rotation Rate	1 RPS
Interface	100Mb Ethernet
Mounting Height	upto 8 metres
Environmental	IP67 BS EN 60068-2-52
Operating Frequency	24 GHz
Operating Temp	-20°C to +60°C
Compliance	CE Marked EN 30109-2V1.3.2 EN 301489-3V1.4.1 EN 301489 V1.9.2 IEC 60950-1 IEC 60950-22

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