



Product Brochure

PREDATOR THERMAL





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PREDATOR HD THERMAL



FULL 1080P HIGH DEFINITION VIDEO

High Speed Ruggedised Pan, Tilt and Zoom Camera Featuring 336 or 640 line resolution Thermal 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.

Multi-Protocol Integration
The PREDATOR range comes with multi-protocols as standard allowing complete integration with many leading DVRs, Matrices and IP systems

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

Illumination
Full range of Dual IR & White Light options. Up to 60 metres of IR lighting and up to 50 metres of 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 45°). Choice of standard IR 850nm or covert 940nm available.

IP68 Certification
IP68 certified for the harshest environments.

Extreme Low Light Capability
Frame integration cameras give usable video images as low as 0.01 lux

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

Colour/Mono Cameras
The PREDATOR range includes 18x, 28x, or 44x zoom with autofocus featuring Sony ExView, Wide Dynamic Range (WDR) camera technology which gives excellent low light performance. 360 Vision software enables the colour/mono switch over levels to specific lighting conditions

Maritime Paint
10 year maritime paint option.

Warranty
3 year warranty



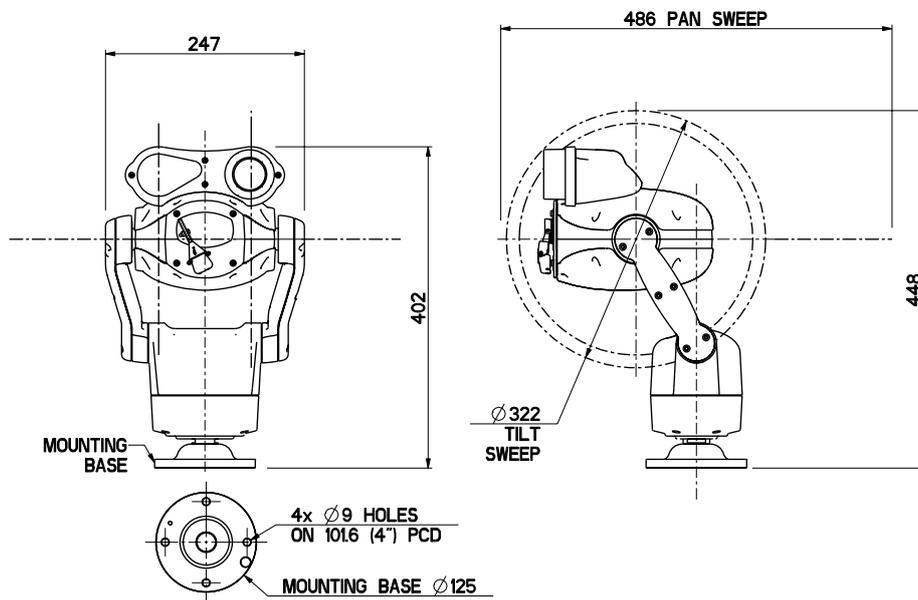


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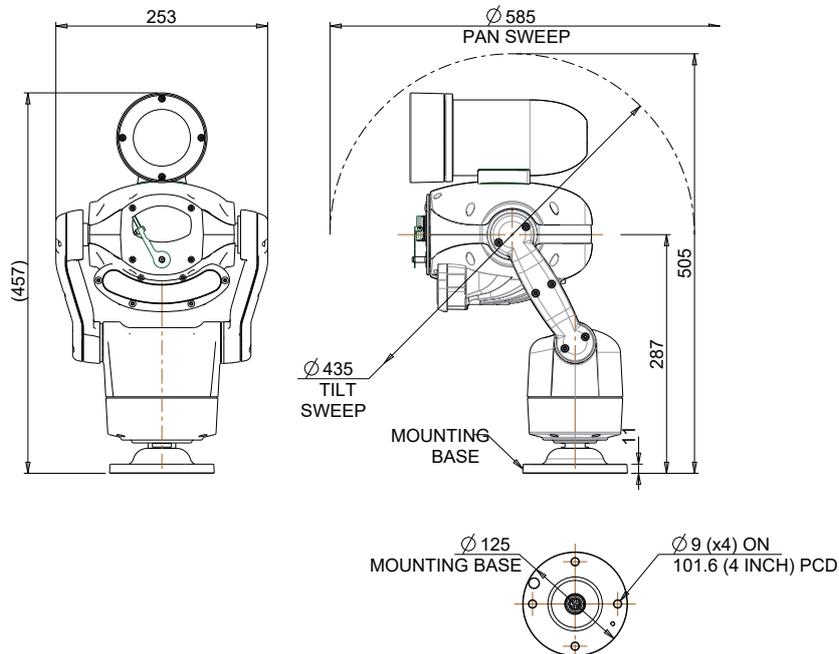
PREDATOR THERMAL



Predator
9-35mm Thermal lens
Weight: 9kg



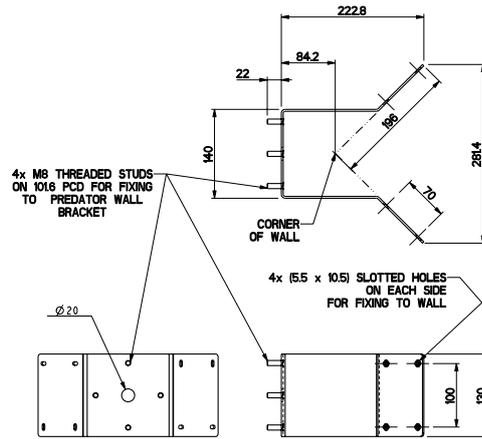
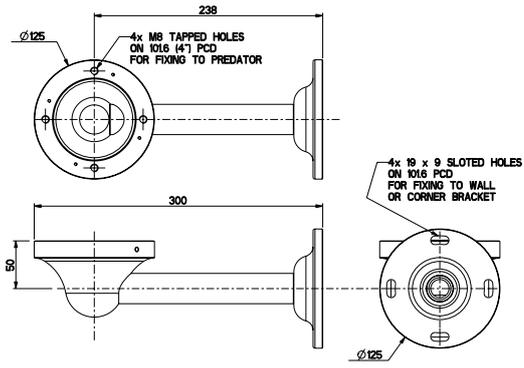
Predator
50-100mm Thermal lens
Weight: 9.5kg



PREDATOR Bracketry

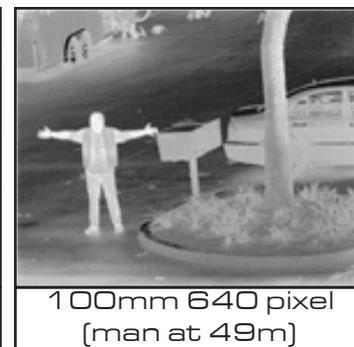
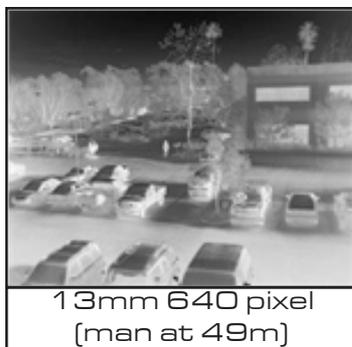
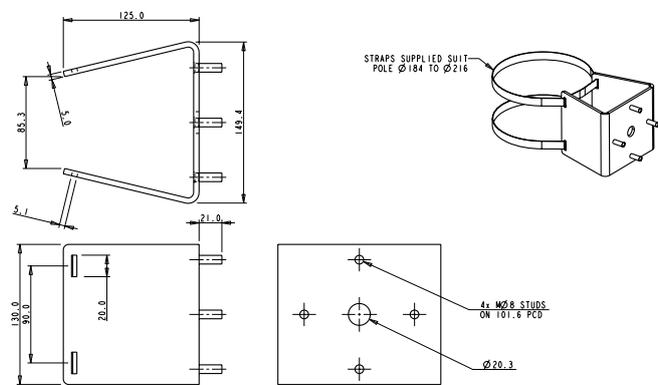
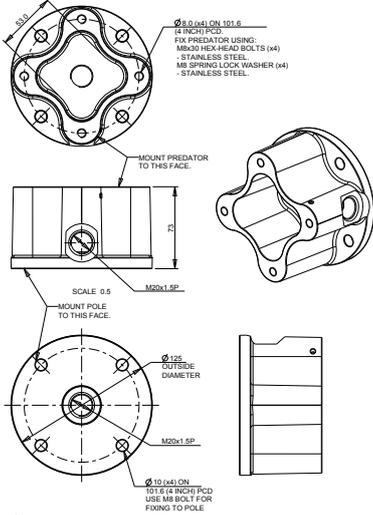
Wall Bracket
Weight: 1.2kg

Corner Bracket
Weight: 2.2kg



Pole Mount Adapter (PMA)
Weight: 1 kg

Pole Mount Bracket (PMB)
Weight: 2.5kg



PRODUCT SPECIFICATION	Sony 18x Col/Mono	Sony 28x Col/Mono	Sony 44x Col/Mono						
Colour/Mono	Yes	Yes	Yes						
Imager	1/4" type Super-HAD CCD II	1/4" type Super-HAD CCD II	1/4" type Super-HAD CCD II						
Zoom - Optical + Digital	18x, 12x	28x, 12x	44x, 12x						
Zoom - Total	216x	336x	528x						
Line Resolution	670	670	670						
Horizontal view angle	2.8°(T) - 48°(W)	2.1°(T) - 55.8°(W)	1.6°(T) - 68.8°(W)						
Lens Size	4.1 - 73.8mm	3.5 - 98mm	3.06 - 134mm						
Min Sensitivity - colour	0.4 Lux	0.4 Lux	0.6 Lux						
Min Sensitivity - mono Int	0.01 Lux	0.01 Lux	0.01 Lux						
Signal Noise Ratio	>50dB	>50dB	>50dB						
Picture Flip	Yes	Yes	Yes						
PRODUCT FEATURES	ALL PREDATOR units have the following functions								
Video Output	1V p to p, 75 Ω								
Scanning	PAL or NTSC								
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								
Telemetry	Coaxial or RS485								
Protocols - includes	360, Pelco P/D/Coax, Ultrak RS485, Forward Vision, VCL RS485/Coax								
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	24vac/30vdc 160VA								
Mounting options	Wall, Corner, Pole and Soffit								
Certification	Ingress IP68;								
THERMAL CAMERA RANGE									
Thermal Imager	Uncooled VOx Microbolometer								
FPA/Digital Video Display	336 x 256	640 x 512							
Spectral Band	7.5 - 13.5								
Exportable Frame Rates	8.3Hz (PAL)								
Sensitivity (NETD)	<50mK at f/1.0								
Digital Detail Enhancement	YES								
Pixel Pitch	17µm								
THERMAL CAMERA RANGE	9mm	13mm	19mm	25mm	35mm	50mm	60mm	100mm	
336	35°	25°	17°	13°	9.3°	6.5°	5.5°	3.3°	
640	69°	45°	32°	25°	18°	12.4°	10.4°	6.2°	
SIRIUS ILLUMINATION	IR & WHITE LIGHT (Nominal)				Standard Paint Options			RAL	
IR60	IR 60 metres				Black			9005	
IR50WL	IR 50 metres, WL 50 metres				White			9003	
WEIGHTS					Cool Grey			7035	
Predator TC	9kg				Mid Grey			7001	
Predator Long Range TC	9.5kg (with LED Array)								



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