



Product Brochure

PREDATOR HD THERMAL



Outstanding Visibility under the Starlight





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PREDATOR HD THERMAL



FULL 1080P HIGH DEFINITION VIDEO

High Speed High Definition Ruggedised 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' compliant 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 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.

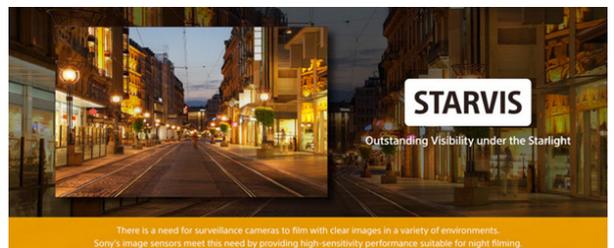
Extreme Low Light cameras
Extreme low light cameras with mono video images as low as 0.0008 lux (no illumination)

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

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

Maritime Paint
10 year maritime paint option.

Warranty
3 year warranty



There is a need for surveillance cameras to film with clear images in a variety of environments. Sony's image sensors meet this need by providing high-sensitivity performance suitable for night filming.

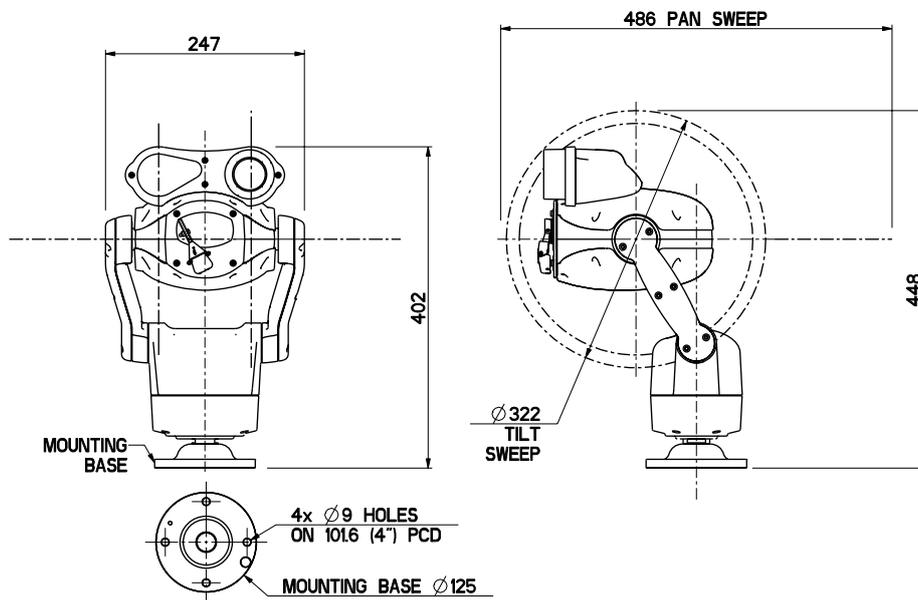


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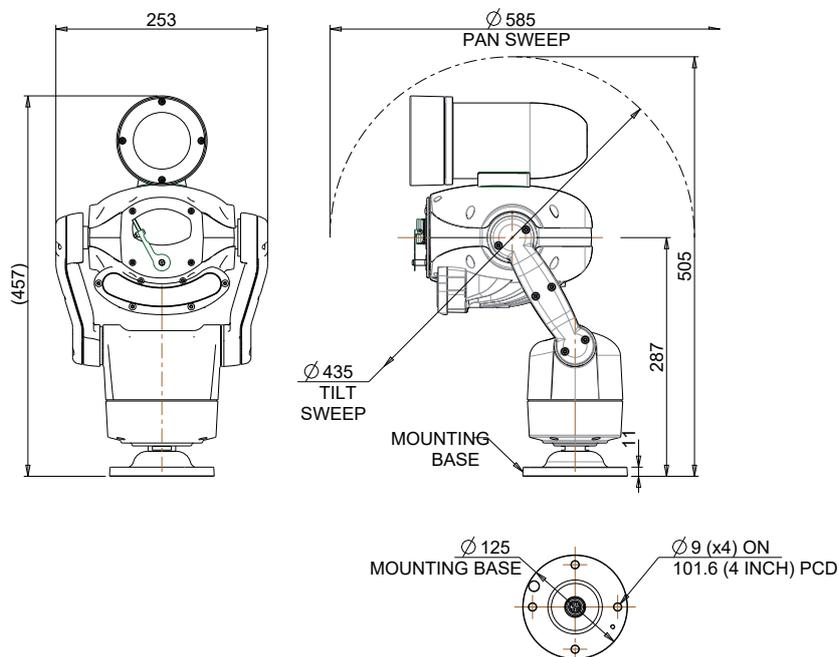
PREDATOR HD THERMAL



Predator
9-35mm Thermal lens
Weight: 9kg



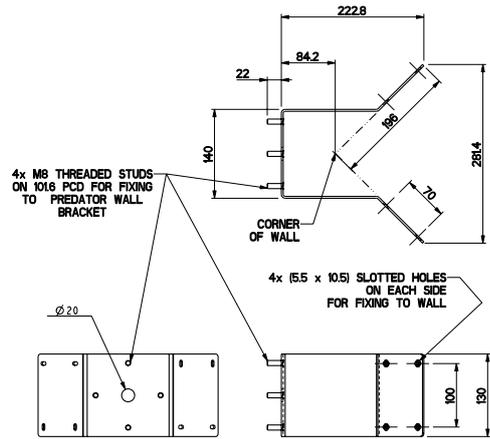
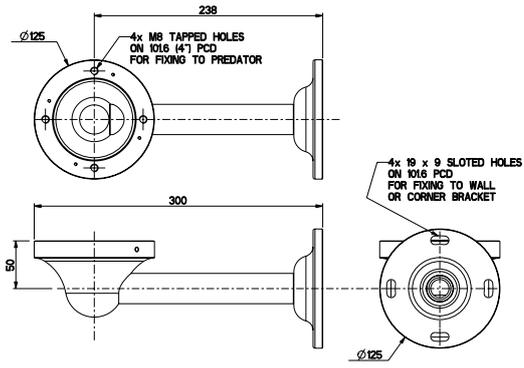
Predator
50-100mm Thermal lens
Weight: 9.5kg



PREDATOR HD Bracketry

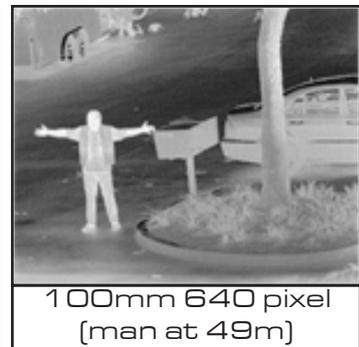
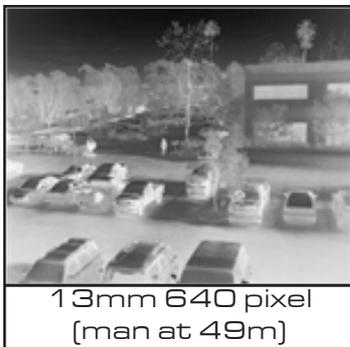
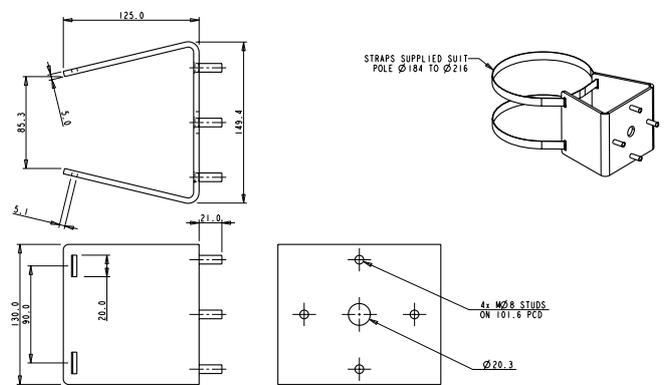
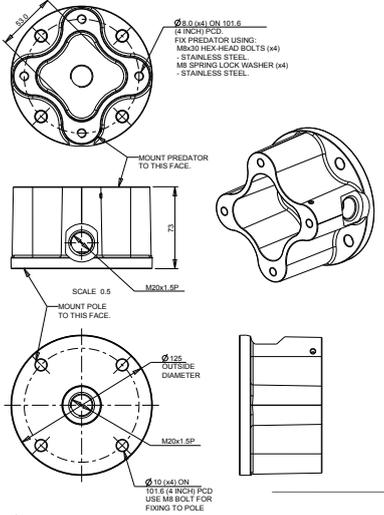
Wall Bracket
Weight: 1.2kg

Corner Bracket
Weight: 2.2kg



Pole Mount Adapter (PMA)
Weight: 1 kg

Pole Mount Bracket (PMB)
Weight: 2.5kg



PRODUCT SPECIFICATION	30x HD	20x HD	30x STARVIS					
Colour/Mono	Yes	Yes	Yes					
Imager (CMOS)	1/2.8-type Exmor	1/2.8-type Exmor R	1/2.8-type Exmor R					
Zoom - Optical + Digital	30x, 12x	20x, 12x	30x, 12x					
Zoom - Total	360x	240x	360x					
Pixels	Approx 2.38 Megapixels	Approx 2.14 Megapixels	Approx 2.13 Megapixels					
Horizontal view angle	2.3°(T) - 63.7°(W)	3.3°(T) - 59.5°(W)	2.3°(T) - 63.7°(W)					
Lens Size	4.3 - 129mm	4.7 - 94mm	4.3 - 129mm					
Min Sensitivity - colour	0.1 Lux	0.1 Lux	0.0013 Lux					
Min Sensitivity - mono Int	0.013 Lux	0.008 Lux	0.0008 Lux					
Signal Noise Ratio	>50dB	>50dB	>50dB					
Picture Flip	Yes	Yes	Yes					
Picture Freeze	Yes	Yes	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	24vac 160VA							
Mounting options	Wall, Corner, Pole and Soffit							
Certification	CE & FCC approval; Ingress IP68; Impact IK 10; Vibration & Shock certified approvals							
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°
CODEC	25fps		ASPECT			30fps		
HD 1080p	1920x1080		16:9			1920x1080		
HD 720p	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							
SIRIUS ILLUMINATION	IR & WHITE LIGHT (Nominal)			Standard Paint Options			RAL	
SIR60	IR 60 metres			Black			9005	
SIR50WL	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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