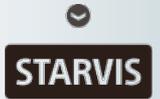




## Product Brochure

# PREDATOR HD



Outstanding Visibility under the Starlight





## Product Brochure

## PREDATOR HD



## 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 'Patent Pending' Dual IR & White Light options. Up to 550 metres of IR lighting and up to 250 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.

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

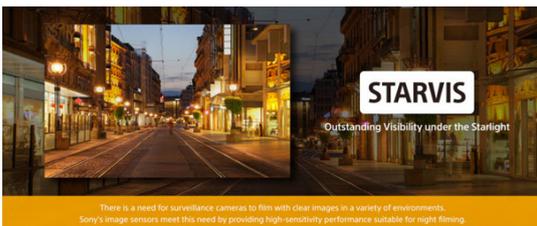
POE  
HD Predator available as a POE version, with Sirius illumination up to SIR140WL.

Maritime Paint  
10 year maritime paint option.

Warranty  
3 year warranty



Dual lamp unit shown (covers SIR250SW and SIR275 products), other colours available.



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.

## Predator Hybrid: Patent Pending Technology from 360 Vision

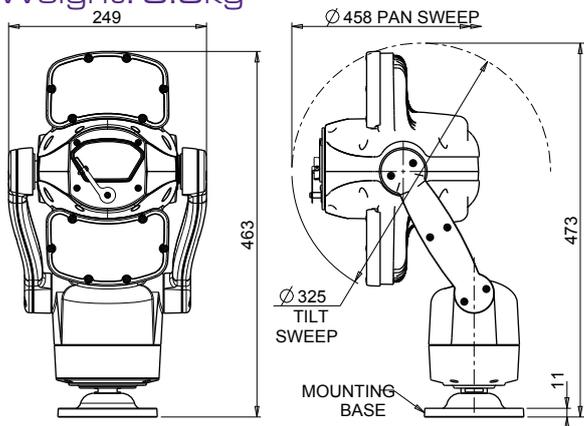
Option giving Ultra High Resolution ANALOGUE and 1080p HD output/control, for system migration to full HD.



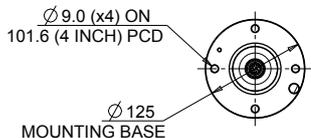
# PREDATOR HD



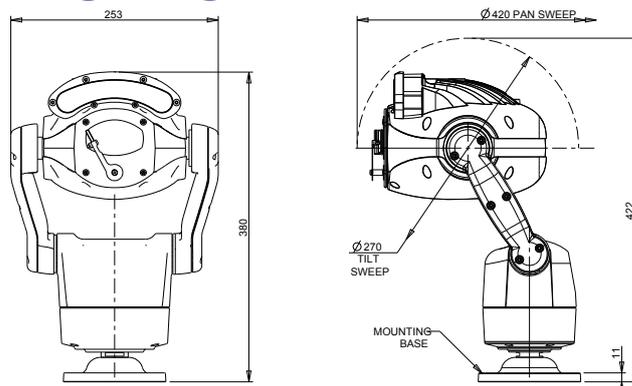
**Predator**  
High Intensity Long Range LED array  
Weight: 8.5kg



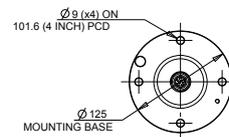
Covers SIR400 and SIR550S Spot product.



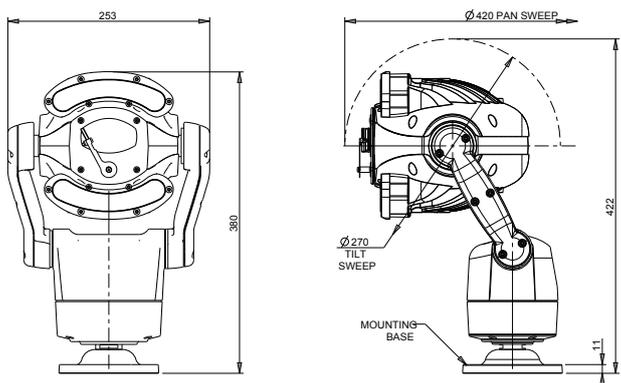
**Predator**  
High Intensity Single LED array  
Weight: 8kg



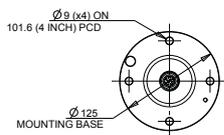
Covers SIR110, SIR160 and SIR140WL products.



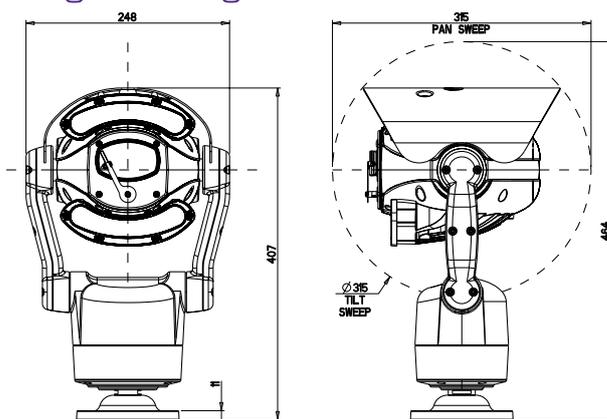
**Predator**  
High Intensity Dual LED array  
Weight: 8.5kg



Covers SIR250SW, 250SWL and SIR275 products.

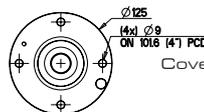


**Predator**  
High Intensity Dual LED array  
Weight: 8.9kg



**Straight Arm version**  
c/w Sunshield

Covers SIR250SW, 250SWL and SIR275 products.





PRODUCT SPECIFICATION	30x HD	30x STARVIS 	
Colour/Mono	Yes	Yes	
Imager (CMOS)	1/2.8-type Exmor	1/2.8-type Exmor R	
Zoom - Optical + Digital	30x, 12x	30x, 12x	
Zoom - Total	360x	360x	
Pixels	Approx 2.38 Megapixels	Approx 2.13 Megapixels	
Horizontal view angle	2.3°(T) - 63.7°(W)	2.3°(T) - 63.7°(W)	
Lens Size	4.3 - 129mm	4.3 - 129mm	
Min Sensitivity - colour	0.1 Lux	0.0013 Lux	
Min Sensitivity - mono Int	0.013 Lux	0.0008 Lux	
Signal Noise Ratio	>50dB	>50dB	
Picture Freeze	Yes	Yes	
Picture Flip	Yes	Yes	
<b>PRODUCT FEATURES</b>	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		
Power POE	82 watts maximum		
Mounting options	Wall, Corner, Pole and Soffit		
Certification	CE & FCC approval; Ingress IP68; Impact IK10; Vibration & Shock certified approvals		
<b>SIRIUS ILLUMINATION</b>	<b>IR &amp; WHITE LIGHT (Nominal)</b>	<b>Standard Paint Options</b>	<b>RAL</b>
SIR110	IR 110 metres	Black	9001
SIR160	IR 160 metres	White	9003
SIR140WL	IR 140 metres, WL 140 metres	Cool Grey	7035
250SWL	WL 250 metres	Mid Grey	7001
SIR250WL	IR 250 metres, WL 250 metres		
SIR275	IR 275 metres		
SIR400	IR 400 metres		
SIR550S Spot	IR 550 metres		
<b>WEIGHTS</b>			
Predator (No LED's)	7.5kg		
Predator (Single LED array)	8kg		
Predator (Dual LED array)	8.5kg		
Predator (HMA, No LED's)	9.5kg		
Predator (Dual Long Range)	8.5kg		
<b>CODEC</b>	<b>25fps</b>	<b>ASPECT</b>	<b>30fps</b>
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		

**HMA: Hinged Mounting Adapter**



Hinged Mounting Adapter (HMA) is designed to assist in the installation of the Predator allowing access to the cable connections 'hands free'.

Installers can now install the Predator using standard cables, so no need for pre-made cables. Enabling the Predator to be positioned up to 100 metres from the power supply (dependent on Predator/ cable specification).

All trademarks are used courtesy of registered owners. PREDATOR HD is a registered trademark of 360 Vision Technology Ltd. The manufacturer reserves the right to change specifications without notice.



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