



Product Brochure

PREDATOR HYBRID



Outstanding Visibility under the Starlight

Analogue 4:3
[HD Quality]

Full HD 1080p



From this



To this



Predator Hybrid
Analogue & HD
in ONE
PTZ Camera

No additional equipment required.



PREDATOR HYBRID



FULL 1080P HIGH DEFINITION VIDEO

Introducing the Patent Pending Predator Hybrid Dual output HD AND Analogue PTZ Camera Range.



Future Proofing CCTV Surveillance Systems

360 Vision are proud to launch the World's first Simultaneous Dual Output Analogue and High Definition Range of PTZ cameras.

Offering Simultaneous true 4:3 High Resolution Analogue video (delivered via conventional coaxial cable) AND 16:9 High Definition IP Video, Predator Hybrid provides a "HD Ready" experience for all existing analogue systems and delivering an extremely cost effective return on investment for the future.

Using Predator Hybrid, the customer gains the ability to install what appears to be a conventional analogue camera, with a familiar video over coax cable and RS485 Telemetry data over twisted pair (or coax!).

Within the Predator Hybrid sits a Full HD 1080p 30x autofocus camera that provides near HD video over conventional analogue coax cable when in Analogue mode.

Existing analogue control systems, such as video matrices and Digital Video Recorders (DVRs) are still able to take analogue control and video from Predator Hybrid - even using 3rd party protocols such as Pelco, VCL, Forward Vision, Ultrak, Mark Mercer and more.

Simultaneously, Predator Hybrid can also offer conventional ethernet connectivity out via CAT6 ethernet cable to offer streaming via IP protocols. Including ONVIF and 360's own proprietary SDK - thus allowing current or future connection to ALL of the industry's leading VMS solutions such as IndigoVision, Exacq, Milestone, Genetec, Avigilon and ANY ONVIF approved VMS.



"Quite literally, install the HD Ready cameras today over your existing system and come the time you are ready to upgrade to IP, enjoy HD images instantly and WITHOUT changing your cameras again!"





Product Brochure

PREDATOR HYBRID



High Speed High Definition ANALOGUE and 1080p HD output 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.

IP Protocols

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

Analogue Protocols

360 (RS485/Coax), Pelco (RS485/Coax), VCL (RS485/Coax), Forward Vision and Ultrak (RS485)

Sirius Illumination Intelligent Lighting control

Sirius illumination automatically adjusts the lighting intensity to ensure the highest quality images under variable lighting conditions.

Sirius Illumination

Full range of 'Patent Pending' Dual IR & White Light options. Up to 225 metres of IR lighting and up to 150 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 0.0015 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.

Predator Hybrid: Patent Pending

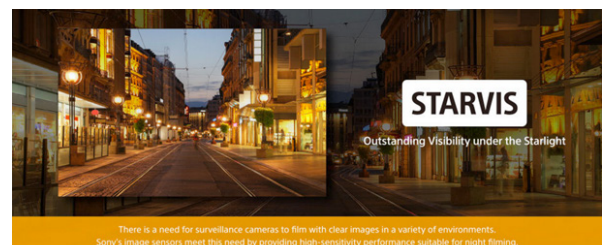
Option giving ANALOGUE and 1080p HD output/control, for system migration to full HD.

Maritime Paint

10 year maritime paint option.

Warranty

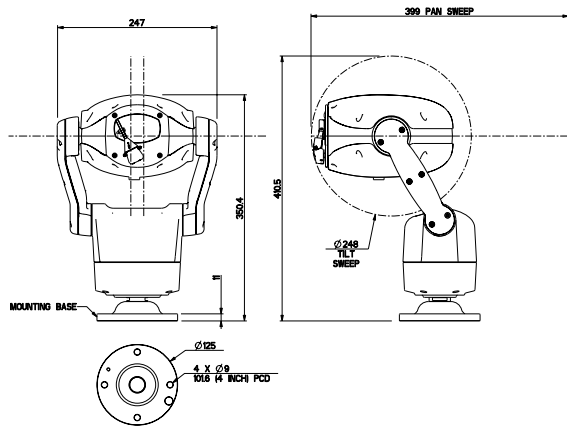
3 year warranty



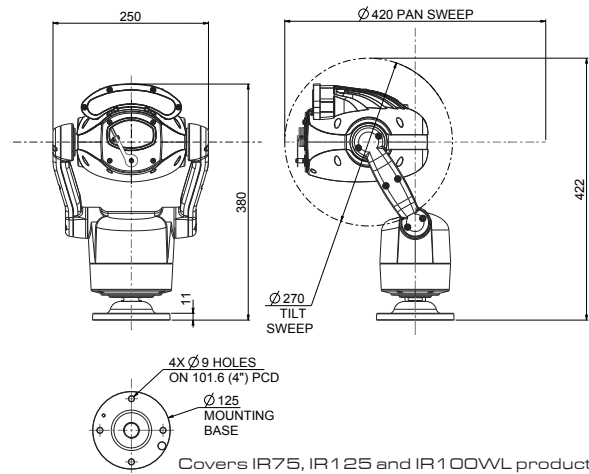
There is a need for surveillance cameras to film with clear images in a variety of environments. Sony's image sensors meet this need by providing high-sensitivity performance suitable for night filming.

PREDATOR HYBRID

Predator with no lamps
Weight: 7.5kg

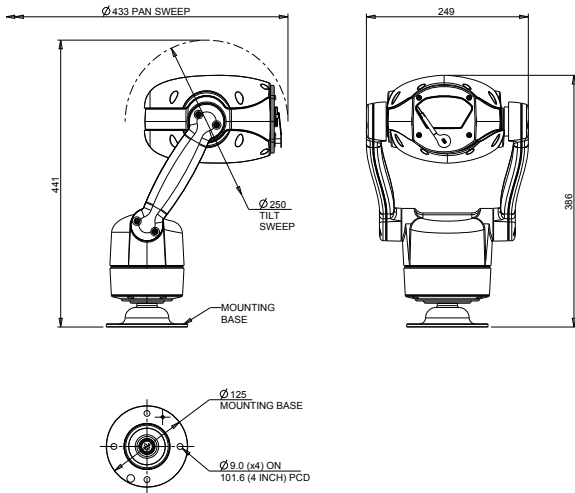


Predator with single lamp
Weight: 8kg

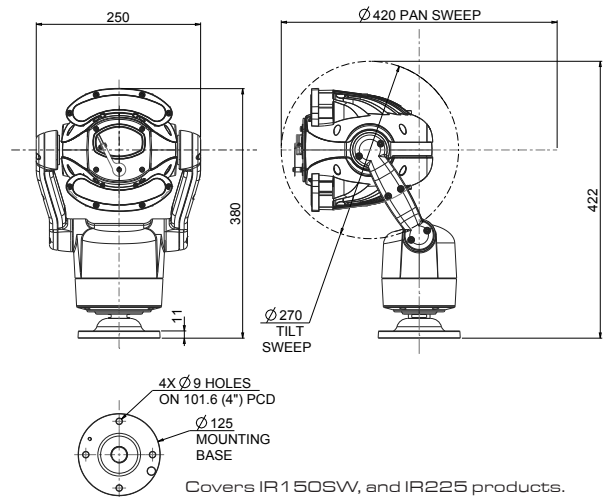


Covers IR75, IR125 and IR100WL products.

Predator Steel
Weight: 14kg

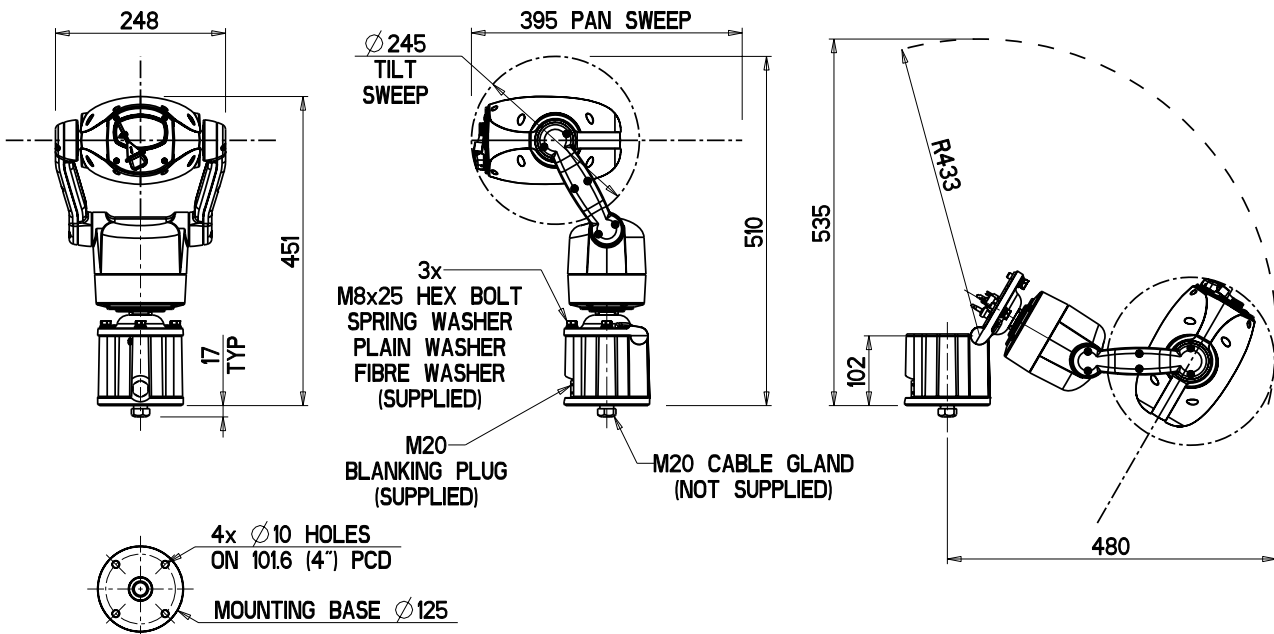


Predator with dual lamp
Weight: 8.5kg



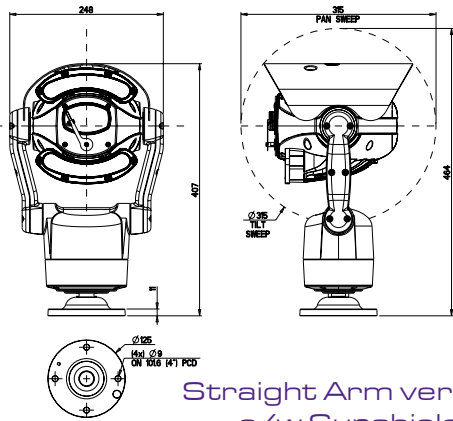
Covers IR150SW, and IR225 products.

Hinged Mount Adapter no lamps
Weight: 9.5kg



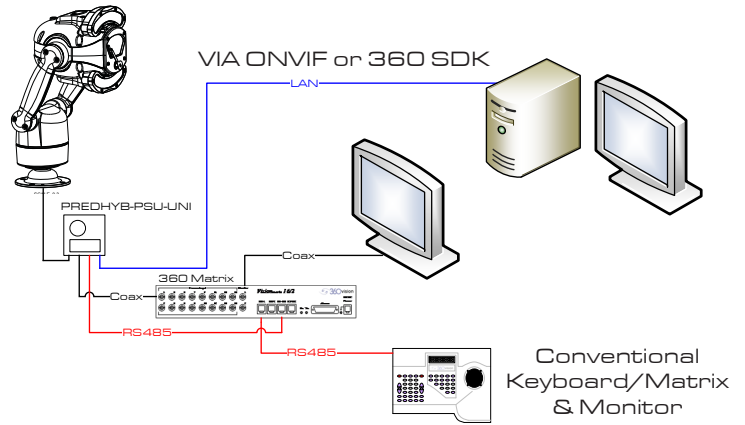
Predator with dual lamps

Weight: 8.9kg



Straight Arm version
c/w Sunshield

Covers IR150SW, and IR225 products.

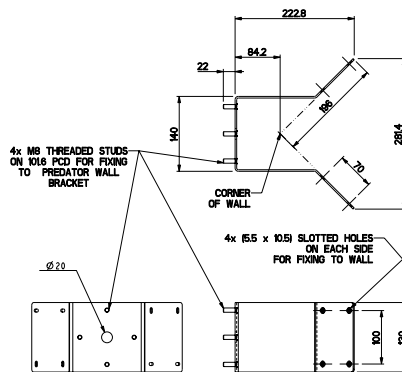
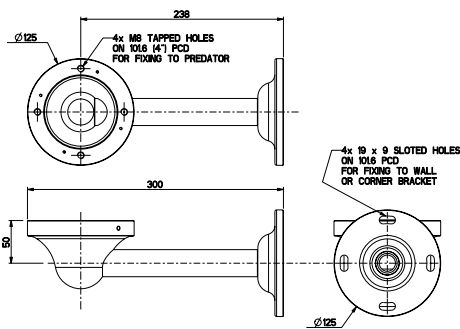


Predator Hybrid Schematic

PREDATOR Bracketry

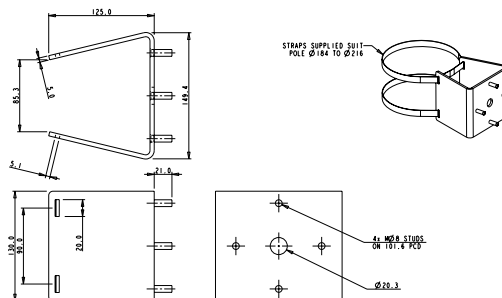
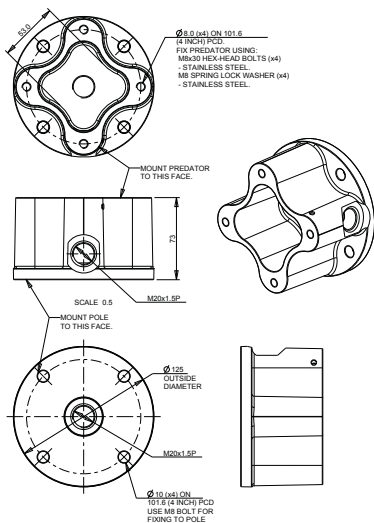
Wall Bracket
Weight: 1.2kg

Corner Bracket
Weight: 2.2kg



Pole Mount Adapter (PMA)
Weight: 1 kg

Pole Mount Bracket (PMB)
Weight: 2.5kg



PRODUCT SPECIFICATION	30x 		
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	24vac 1.60VA		
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		
IR150SW	IR 150 metres, WL 150 metres		
IR225	IR 225 metres		
WEIGHTS			
Predator (No lamps)	7.5kg		
Predator (Single lamps)	8kg		
Predator (Dual lamps)	8.5kg		
Predator (HMA, No lamps)	9.5kg		
Predator Steel (No lamps)	14kg		
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		

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 HYBRID is a registered trademark of 360 Vision Technology Ltd. The manufacturer reserves the right to change specifications without notice.



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