PREDATOR

Predator HD PTZ Camera Product Range

DESIGNED & MANUFACTURED IN THE UK

360VISION
TECHNOLOGY
technology that protects

SECURITY INNOVATION AWARD 2018

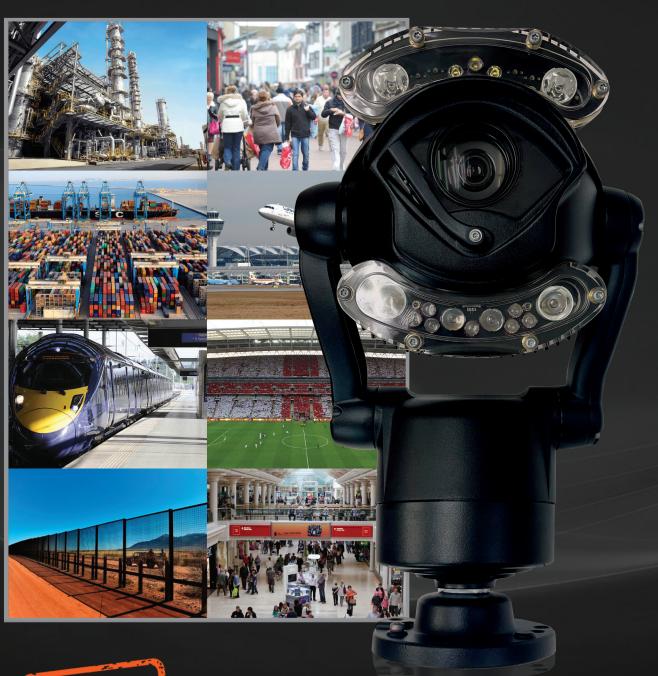"Technology & Products"

Predator PTZ Low Light

Predator PTZ is our flagship camera, supplied as standard with Sony Exmor R 1/2.8" 1080p HD image sensor with powerful 40x zoom. The back-illuminated CMOS image sensors ensure excellent performance in low light environments.

Predator PTZ is available with a variety of integrated technologies, including long-range IR & white light to c600m including standard 850nm IR and covert "no-glow" 940nm IR; thermal core, 90° overview camera, radar detection, cellular transmission for areas with no existing infrastructure and 316L stainless steel form factor for harsh environments.

For legacy environments, Predator PTZ can be supplied as analogue only or hybrid, offering 1080p HD + analogue video & RS485 control.

Predator is available in standard black, white or grey paint, with all RAL colour options at cost. We can also offer Extreme paint for those more demanding conditions.

Predator Radar

Predator Radar offers a unique all-in-one solution for cost effective perimeter protection and wide area surveillance.

A single ruggedised Predator PTZ camera and integrated radar, scanning 360° every second and covering a massive 200m radius (400m diameter). That's 125,000m2 of continuous surveillance and up to 4 Predator cameras can be added to a single radar if necessary, avoiding the cost and installation of multiple fixed cameras.

The award-winning Predator Radar provides the ultimate in surveillance camera performance with its intelligent tracking feature, enabling it to auto-track up to 4 moving targets with smart classification for people/vehicles and alarm exclusion zones to reduce noise. On detection, an alarm output can be integrated into your VMS of choice or alarm monitoring station.

The camera's advanced radar detection is unaffected by weather conditions, so detection and alarm functionality continue even in adverse weather conditions such as rain, fog or snow.

Predator Radar is the ideal solution for fenced or unfenced site perimeters, sterile zones at prisons, borders, critical national infrastructure sites, airports, construction sites and military applications. Add an integrated thermal camera and/or long-range IR or white light and you have the perfectly flexible solution for a multitude of operational requirements.

Predator DualView

Predator DualView boasts our usual Predator PTZ features and options, with the choice of additional side mounted 90° overview camera or side mounted thermal camera.

Imagine a PTZ camera that captures both the critical close-up and the big picture at once. Operators can gather critical evidence such as assailant escape routes, associated incident opportunism, first responder and emergency services arrival for instance - whilst maintaining situational awareness at the same time. It's perfect for public spaces, such as arenas & stadiums, busy town centres and anywhere needing both wide-area & zoom capability.

Alternatively, you might need a dual view stream which can see long distances, seeking out heat signatures regardless of darkness, smoke, dust, fog or haze. Pair your optical camera with the 640pixel Boson thermal core to fit the needs of your application – available from 4.9mm (95° FOV) to 73mm (6° FOV).

Predator Stainless Steel

The Predator Stainless Steel PTZ camera is the right choice to protect the harshest of environments, including those very corrosive applications such as coastal, offshore and marine, manufacturing, industrial and highways. Boasting compact and robust anti-corrosive 316L marine grade housing, all features of the standard Predator are included.

With 1080p HD resolution, Predator Stainless Steel is also available with long-range IR to 250m or IR & white light to 200m. Matt stainless steel finish with black or white paint as standard.

Designed to withstand the toughest of operational environments, Predator Stainless Steel is very competitively priced, with the high-performance package targeted to offer the advantages of extreme temperature (-50°C to +65°C with optional heater) camera performance, but at a surprisingly fractional cost of other stainless steel PTZ cameras.

IP68 | Onvif | Full HD 1080 | CE | UKCA | CYBER ESSENTIALS CERTIFIED

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Predator PTZ Camera HD Features

HD 1080P or HYBRID

Multi stream 1080p (upto 60ips) with powerful 40x optical zoom allows flexibility for both live and record stream outputs via Industry compatible ONVIF or SDK connections.

30x hybrid option available - HD with analogue video and RS485 control - ideal for legacy upgrades.

Transmit using conventional wired infrastructure or using our 4G/5G cellular TX/TXA transmission module.

Ruggedised

Our ruggedised IP68 Predator cameras are designed to withstand harsh environments,such as extreme temperatures, dust, moisture, and vibrations.

In addition, IK10 is the highest impact protection rating for electrical enclosures, meaning they can resist 20 joules of external mechanical shock or impact.

Low Power

'Low Power Mode' for inactive periods of operation, 'Intelligent Illumination' and 'Night Setting Presets' to control the illumination activity and low consumption components.

That all adds up to greatly reduced power consumption for applications such as solar, fuel, battery and other low voltage sensitive applications.

POE option also available.

On Board Recording

Optional full HD JPEG frame recording inside the camera. Trigger options include: network loss, alarm, preset position, scheduled, manual or always on recording. File Transfer Protocol (FTP) option provides automated off camera image transfer.

Options for internal recording memory up to 512Gb, ensuring no information is lost. Can be used for Time-lapse event capture of construction site progress.

Latest Camera Module

All Predator cameras are equipped with Sony's industry-leading Exmor R 1/2.8" sensor, delivering exceptional low-light performance and colour integrity.

Larger sensor = brighter, crisper and more defined images.

Attack Detect Feature

Attack Detect & Base Scan on Impact features ensure that if a physical attack is detected, the camera will automatically recalibrate to its original position – ensuring alarms and positional presets are not compromised.

The camera will also look down and do an immediate 360° scan of the pole base to provide critical full video footage of the situation below.

Direct Drive Mechanism & 360° View

Continuous rotation pan, unobstructed 360° view, 180° tilt.

Unlike many competitor products that utilise belt-based drive systems, Predator incorporates ultra reliable and extremely quiet high torque direct drive mechanisms.

This results in long life, high and consistent preset accuracy and long-term reliability.

Dual Camera Technology

With a flexible specification using dual camera technology, Predator can be ordered in a variety of formats, including 1080P HD colour/mono camera with 90° 3:1 wide angle camera.

Dual 640 thermal cameras, thermal camera plus 1080P HD colour/mono camera also available.

Combining two camera technologies in one unit ensures the greatest technical flexibility and application compatibility.

Paint Options

Standard high quality black, white, grey or mid-grey paint finish, with all RAL colours available as options.

Optional long life 'Extreme' paint finish for marine/coastal applications available too, ensuring that the operational and aesthetic features of the Predator are protected.

Dedicated Setup Apps

3 apps for discovery, configuration and update. With an innovative thumbnail index, select and program from one central network point.

No need for browser add-ins, security permissions or Internet necessary updates.
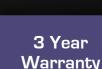
IR & LED White Light

Predator offers options of integrated long-range IR to 600m and white light to 250m.

Standard 850nm IR and covert "no glow" 940nm are available.

IR is ideal to produce clear evidential video quality images, whatever the lighting conditions.

White light offers powerful illumination for overt applications, such as intruder tracking and anti-social behaviour deterrence.

3 Year Warranty

Our standard 3-year warranty can be extended to 5 years with our optional low-cost support package - a valuable addition for customer frameworks and maintenance contracts.

TX / TXA Direct – No wired infrastructure? No problem!

For rapid deployment or locations without existing fibre infrastructure, our TX and TXA Direct solutions offer flexible 4G/5G/satellite & wireless video transmission for our ruggedised Predator PTZ cameras.

Choose **TX** for low-bandwidth areas with local recording and app-based control or opt for **TXA Direct** to stream seamlessly into your existing VMS via ONVIF using a fixed IP/APN setup. Optionally, we can provide competitively priced SIM and APN packages and hosting.

An ideal solution for temporary or mobile surveillance as well as rural, construction or critical infrastructure sites and hard-to-reach areas in high streets & town centres – perfect for fast deployment without fixed cabling.

Both options are compatible with Predator's full feature set – including long-range illumination, thermal imaging and radar detection – delivering powerful, infrastructure-free surveillance.

Ask us for more information.

IP68 · ONVIF · Full HD 1080 · CE · UKCA · CYBER ESSENTIALS CERTIFIED

DESIGNED & MANUFACTURED IN THE UK

PRODUCT SPECIFICATION	40x HD LOW LIGHT
Colour/Mono	Yes
Imager (CMOS)	1/2.8" Sony Exmor R
Zoom - Optical + Digital	40x, 12x
Zoom - Total	480x
Pixels (Effective)	Approx 2.38 Megapixels
Horizontal view angle	66.45°(W) - 1.88°(T)
Lens Size	4.25 - 170mm
Min Sensitivity - colour	0.002 Lux
Min Sensitivity - mono Int	0.0002 Lux
Signal Noise Ratio	>50dB
Picture Flip	Yes
Picture Freeze	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 +65°C with optional heater
Power	28-36VDC (12VDC and POE Options)
Power POE	IEEE 802.3bt Class 5 POE (No lamps, 45W) or IEEE-802.3bt Class 8 POE (with restricted lamps, 90W)
Mounting options	Wall, Corner, Pole and Soffit
Certification	UKCA, CE & FCC approval: Ingress IP68: Impact IK10 : vibration & shock certified approvals. Independent power certification and Elexon Charge Codes available

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).

SIRIUS ILLUMINATION		IR & WHITE LIGHT (Nominal) - 850nm STANDARD IR or 940nm COVERT (NO-GLOW) AVAILABLE
850nm	940nm	
SIR110	SIR110-940	110m 850nm IR / 70m 940nm IR
SIR160	SIR160-940	160m 850nm IR / 100m 940nm IR
SIR140WL	SIR140WL-940	200m 850nm IR + white light / 100m 940nm IR + white light
250SWL		250m white light only
SIR250WL	SIR250WL-940	250m 850nm IR + white light / 150m 940nm IR + white light
SIR275	SIR275-940	275m 850nm IR / 165m 940nm IR
SIR400	SIR400-940	400m 850nm IR / 250m 940nm IR
SIR550S	SIR550S-940	600m spot 850nm IR / 300m spot 940nm IR
WEIGHTS		
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

CODEC	25/50fps	ASPECT	30/60fps
1080P	1920x1080	16:9	1920x1080
720P	1280x720	16:9	1280x720
576P	1024x576	16:9	1024x576
SXGA*	1280x1024	5:4	1280x1024
XGA*	1024x768	4:3	1024x768
D1	720x576	5:4	720x480
VGA	640x480	4:3	640x480
QVGA	320x240	4:3	320x240
Distribution*	Multi Streaming Codec, 2 independently configurable profiles		
Image Compression	H.264, MJPEG, H.265		
Protocols	TCP/IP, IPv4, ONVIF (S), 802.1x, MD5, TLS, PEAP, HTTP, HTTPS, RTP, RTSP, RTSP over HTTPS, 360SDK, QoS, IGMP v3, SNMP v3, NTP, FTP, Digest Authentication		
Compression levels	CBR, VBR		
Standard Paint Options	RAL		
Black	9005		
White	9003		
Cool Grey	7035		
Mid Grey	7001		

DESIGNED & MANUFACTURED IN THE UK

IP68   ONVIF   Full HD 1080   CE   UKCA   CYBER ESSENTIALS CERTIFIED

PRODUCT SPECIFICATION	40x HD LOW LIGHT
Colour/Mono	Yes
Imager (CMOS)	1/2.8" Sony Exmor R
Zoom - Optical + Digital	40x, 12x
Zoom - Total	480x
Pixels	Approx 2.38 Megapixels
Horizontal view angle	66.45°(W) - 1.88°(T)
Lens Size	4.25 - 170mm
Min Sensitivity - colour	0.001 Lux
Min Sensitivity - mono Int	0.0002 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 +65°C with optional heater
Power	28-36VDC (POE IEEE 802.3bt Options)
Mounting options	Wall, Corner and Pole
Certification	UKCA, CE & FCC approval: Ingress IP68: Impact IK10 : vibration & shock certified approvals. Independent power certification and Elexon Charge Codes available

SIRIUS ILLUMINATION		IR & WHITE LIGHT (Nominal) - 850nm STANDARD IR or 940nm COVERT (NO-GLOW) AVAILABLE
850nm	940nm	
SIR110	SIR110-940	110m 850nm IR / 70m 940nm IR
SIR160	SIR160-940	160m 850nm IR / 100m 940nm IR
SIR140WL	SIR140WL-940	200m 850nm IR + white light / 100m 940nm IR + white light
250SWL		250m white light only
SIR250WL	SIR250WL-940	250m 850nm IR + white light / 150m 940nm IR + white light
SIR275	SIR275-940	275m 850nm IR / 165m 940nm IR
SIR400	SIR400-940	400m 850nm IR / 250m 940nm IR
SIR550S	SIR550S-940	600m spot 850nm IR / 300m spot 940nm IR

CODEC	25/50fps	ASPECT	30/60fps
1080P	1920x1080	16:9	1920x1080
720P	1280x720	16:9	1280x720
576P	1024x576	16:9	1024x576
SXGA *	1280x1024	5:4	1280x1024
XGA *	1024x768	4:3	1024x768
D1	720x576	5:4	720x480
VGA	640x480	4:3	640x480
QVGA	320x240	4:3	320x240
Distribution *	Multi Streaming Codec, 2 independently configurable profiles		
Image Compression	H.264, MJPEG, H.265		
Protocols	TCP/IP, IPv4, ONVIF (S), 802.1x, MD5, TLS, PEAP, HTTP, HTTPS, RTP, RTSP, RTSP over HTTPS, 360SDK, QoS, IGMP v3, SNMP v3, NTP, FTP, Digest Authentication		
Compression levels	CBR, VBR		

* some restrictions apply

RADAR FEATURES	
Maximum Range	200m Man/Vehicle Radius
Range Resolution	1.5m
Beamwidth - Azimuth	2°
Beamwidth - Elevation	Spread Beam
Field of View	360°
Scan Rotation Rate	1 RPS
Interface	100Mb Ethernet
Mounting Height	3 - 6 metres
Environmental	IP67 BS EN 60068-2-52
Operating Frequency	24.05 - 24.25 GHz (license exempt ISM band)
Operating Temp	-20°C to +60°C
PoE	802.3af
Compliance	CE Marked EN 301 489 IEC 60950 EN 300440

PRODUCT SPECIFICATION	40x HD LOW LIGHT	3x DUAL VIEW
Colour/Mono	Yes	Yes
Imager (CMOS)	1/2.8" Sony Exmor R	1/2.8-type Exmor CMOS
Zoom - Optical + Digital	40x, 12x	3x, 12x
Zoom - Total	480x	36x
Pixels	Approx 2.38 Megapixels	Approx 3.27 Megapixels
Horizontal view angle	66.45°(W) - 1.88°(T)	90°(W) - 32°(T)
Lens Size	4.25 - 170mm	3 - 9mm
Min Sensitivity - colour	0.002 Lux	1 Lux
Min Sensitivity - mono Int	0.0002 Lux	0.1 Lux
Signal Noise Ratio	>50dB	>50dB
Picture Flip	Yes	Yes
Picture Freeze	Yes	No
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 +65°C with optional heater	
Power	28-36VDC (12VDC and POE Options)	
Mounting options	Wall, Corner, Pole and Soffit	
Certification	UKCA, CE & FCC approval: Ingress IP68: Impact IK10 : vibration & shock certified approvals. Independent power certification and Elexon Charge Codes available	

CODEC		25/50fps	ASPECT	30/60fps
1080P		1920x1080	16:9	1920x1080
720P		1280x720	16:9	1280x720
576P		1024x576	16:9	1024x576
SXGA *		1280x1024	5:4	1280x1024
XGA *		1024x768	4:3	1024x768
D1		720x576	5:4	720x480
VGA		640x480	4:3	640x480
QVGA		320x240	4:3	320x240
Distribution *		Multi Streaming Codec, 2 independently configurable profiles		
Image Compression		H.264, MJPEG, H.265		
Protocols		TCP/IP, IPv4, ONVIF (S), 802.1x, MD5, TLS, PEAP, HTTP, HTTPS, RTP, RTSP, RTSP over HTTPS, 360SDK, QoS, IGMP v3, SNMP v3, NTP, FTP, Digest Authentication		
Compression levels		CBR, VBR		
SIRIUS ILLUMINATION		IR & WHITE LIGHT (Nominal) - 850nm STANDARD IR or 940nm COVERT (NO-GLOW) AVAILABLE		
850nm	940nm			
SIR110	SIR110-940	110m 850nm IR / 70m 940nm IR		
SIR160	SIR160-940	160m 850nm IR / 100m 940nm IR		
SIR140WL	SIR140WL-940	200m 850nm IR + white light / 100m 940nm IR + white light		
250SWL		250m white light only		
SIR250WL	SIR250WL-940	250m 850nm IR + white light / 150m 940nm IR + white light		
SIR275	SIR275-940	275m 850nm IR / 165m 940nm IR		
SIR400	SIR400-940	400m 850nm IR / 250m 940nm IR		
SIR550S	SIR550S-940	600m spot 850nm IR / 300m spot 940nm IR		
WEIGHTS				
Predator Dual View		10.5kg		
Standard Paint Options		RAL		
Black		9005		
White		9003		
Cool Grey		7035		
Mid Grey		7001		

IP68 ONVIF Full HD 1080 CE UKCA CYBER ESSENTIALS CERTIFIED

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Predator Thermal HD Specification

PRODUCT SPECIFICATION	40x HD LOW LIGHT
Colour/Mono	Yes
Imager (CMOS)	1/2.8" Sony Exmor R
Zoom - Optical + Digital	40x, 12x
Zoom - Total	480x
Pixels (Effective)	Approx 2.38 Megapixels
Horizontal view angle	66.45°(W) - 1.88°(T)
Lens Size	4.25 - 170mm
Min Sensitivity - colour	0.001 Lux
Min Sensitivity - mono Int	0.0002 Lux
Signal Noise Ratio	>50dB
Picture Flip	Yes
Picture Freeze	Yes
PRODUCT FEATURES - All Predator Cameras have the following functions	
Focus / Iris	Auto / Manual
Presets	360
Tours	4 (Man 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 Change over	4 Levels 3 fixed, 1 custom / user defined
Operating Temperature	-50°C +65°C with optional heater
Power	24Vdc to 36 Vdc
Mounting options	Wall, Corner, Pole and Soffit
Certification	CE & FCC approval; ingress IP68; Impact IK10; Vibration & Shock certified approvals.
SIRIUS ILLUMINATION	IR & WHITE LIGHT (Nominal) - 850nm STANDARD IR or 940nm COVERT (NO-GLOW) AVAILABLE

850nm	940nm	
SIR110	SIR110-940	110m 850nm IR / 70m 940nm IR
SIR160	SIR160-940	160m 850nm IR / 100m 940nm IR
SIR140WL	SIR140WL-940	200m 850nm IR + white light / 100m 940nm IR + white light
250SWL		250m white light only
SIR250WL	SIR250WL-940	250m 850nm IR + white light / 150m 940nm IR + white light
SIR275	SIR275-940	275m 850nm IR / 165m 940nm IR
SIR400	SIR400-940	400m 850nm IR / 250m 940nm IR
SIR550S	SIR550S-940	600m spot 850nm IR / 300m spot 940nm IR

CODEC	25/50fps	ASPECT	30/60fps
1080P	1920x1080	16:9	1920x1080
720P	1280x720	16:9	1280x720
576P	1024x576	16:9	1024x576
SXGA *	1280x1024	5:4	1280x1024
XGA *	1024x768	4:3	1024x768
D1	720x576	5:4	720x480
VGA	640x480	4:3	640x480
QVGA	320x240	4:3	320x240
Distribution *	Multi Streaming Codec, 2 independently configurable profiles		
Image Compression	H.264, MJPEG, H.265		
Protocols	TCP/IP, IPv4, ONVIF (S), 802.1x, MD5, TLS, PEAP, HTTP, HTTPS, RTP, RTSP, RTSP over HTTPS, 360SDK, QoS, IGMP v3, SNMP v3, NTP, FTP, Digest Authentication		
Compression levels	CBR, VBR		
THERMAL RANGE	SM 640 with Boson		
Thermal Imager	Uncooled Vox Microbolometer		
FPA / Digital Video Display	64 x 512		
Pixel Pitch	12 µM		
Spectral Band	7.5 - 135 µM		
Full Frame Rate	60 Hz Baseline		
Exporting Frame Rates	N/A		
Sensitivity (NETD)	Industrial <30mK Performance <50mK Commercial <60mK		
Scene Range (High Gain)	+0°C + 140 °C		
Scene Range (Low Gain)	+0°C + 500 °C		
PAL / NTSC	YES		
Image Optimizer	YES		
Digital Detail Enhancement	YES		
Polarity Control (Black Hot / White Hot)	YES		
Colour Monochrome Palettes (LUTS)	YES		
Digital Zoom (Continuous)	3 x		
Operating Temperatures	-40° C to +180 ° C		
Power (Thermal ONLY)	1 w Max		
Certification (Thermal ONLY)	Safety Mark : CE approval: Ingress: IP67 Certified		
Video Output	1Vp to p 75 Ω Ohm		

SM (side mount) 640 Thermal	4.9mm	8.7mm	14mm	18mm	24mm	36mm		
HFOV (Horizontal Field of View)	95 °	50 °	32 °	24 °	18 °	12 °		
TC (top mount) 640 Thermal							55mm	73mm
HVOF (Horizontal Field of View)							8 °	6 °

Standard Paint Options	RAL
Black	9005
White	9003
Cool Grey	7035
Mild Grey	7001

PRODUCT SPECIFICATION	40x HD LOW LIGHT
Colour/Mono	Yes
Imager (CMOS)	1/2.8" Sony Exmor R
Zoom - Optical + Digital	40x, 12x
Zoom - Total	480x
Pixels	Approx 2.38 Megapixels
Horizontal view angle	66.45°(W) - 1.88°(T)
Lens Size	4.25 - 170mm
Min Sensitivity - colour	0.002 Lux
Min Sensitivity - mono Int	0.0002 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 +65°C with optional heater
Power	28-36VDC (12VDC and POE Options)
Mounting options	Wall, Corner, Pole and Soffit
Certification	UKCA, CE & FCC approval: Ingress IP68: Impact IK10 : vibration & shock certified approvals. Independent power certification and Elexon Charge Codes available
SIRIUS ILLUMINATION	IR & WHITE LIGHT (Nominal) - 850nm STANDARD IR or 940nm COVERT (NO-GLOW) AVAILABLE

850nm	940nm	
SIR140WL	SIR140WL-940	200m 850nm IR + white light / 100m 940nm IR + white light
SIR200	SIR200-940	250m 850nm IR / 150m 940nm

WEIGHTS			
Predator Steel (No lamps)	14kg		
CODEC	25/50fps	ASPECT	30/60fps
1080P	1920x1080	16:9	1920x1080
720P	1280x720	16:9	1280x720
576P	1024x576	16:9	1024x576
SXGA *	1280x1024	5:4	1280x1024
XGA *	1024x768	4:3	1024x768
D1	720x576	5:4	720x480
VGA	640x480	4:3	640x480
QVGA	320x240	4:3	320x240
Distribution *	Multi Streaming Codec, 2 independently configurable profiles		
Image Compression	H.264, MJPEG, H.265		
Protocols	TCP/IP, IPv4, ONVIF (S), 802.1x, MD5, TLS, PEAP, HTTP, HTTPS, RTP, RTSP, RTSP over HTTPS, 360SDK, QoS, IGMP v3, SNMP v3, NTP, FTP, Digest Authentication		
Compression levels	CBR, VBR		

Support & Compatibility

Our commitment to the ONVIF organisation also extends to constant and proactive direct communication with leading VMS manufacturers to ensure full feature and operational compatibility.

Our standard warranty is 3 years. In addition, our new and innovative support package provides an extremely low cost 5 year warranty extension – offering additional layers of benefit for customers' framework and maintenance agreements.

We believe in our manufacturing quality, and we do not subscribe to the low cost/replace ideology so prevalent in our industry – let us show you how our fixed fee service will actually save you money!

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360 VISION
TECHNOLOGY
technology that protects