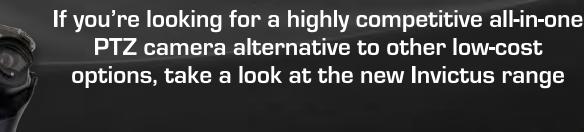
INVICTUS



Ruggedised-Hybrid PTZ camera







INVICTUS





Hybrid

True Dual Hybrid mode (Video and Control) allows addition to legacy analogue systems without infrastructure upgrades. When infrastructure changes, customers benefit from stunning HD and IP control with no hardware changes



Latest Camera Module

All Invictus cameras now benefit from ULTRA low light technology from the stunning new 1/1.9" ULL sensors. Larger sensor = brighter, crisper and more defined COLOUR images at night



Infra Red AND White Light (Optional)

The ONLY ruggedised camera to offer BOTH infra red and white light to 200m. White light for intruder tracking and deterrence. Infra Red LEDs offer discreet yet powerful illumination for more covert applications



Paint Options

Standard high quality paint finish and optional long life 'Extreme' paint finish for marine/coastal applications – ensuring the operational and aesthetic features of the Invictus are protected



Secure by Default

360 Vision Technology surveillance camera products & components have been issued with certification by the Surveillance Camera Commissioner, with requirements to ensure the best possible assurance of protection against cyber-attacks



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 add up to greatly reduced power device for applications such as solar, fuel, battery and other low voltage sensitive applications voltage sensitive applications



Direct Drive Mechanism

Unlike many competitor products that utilise belt based drive systems, invictus incorporates ultra reliable and extremely quiet Direct Drive mechanisms, resulting in long life, high (and consistent) preset accuracy and long term reliability



Ruggedised

Unlike our competitors, a self calibrating 'Attack Detect' mode senses any forced or unnatural movement and INSTANTLY re-calibrates to the correct position, ensuring alarm and positional presets are not compromised



On Board Recording

Recording options of upto 256Gb give network backup, time lapse, FTP and alarm recording. Network sensing automatically senses when connection is lost to ensure that full HD, real time images can be recorded inside the camera, ensuring no information is lost



360 Degree View

Continuous rotation pan, unobstructed 360 degree view, 160 degree tilt all contribute to unhindered views usually associated with Dome alternatives



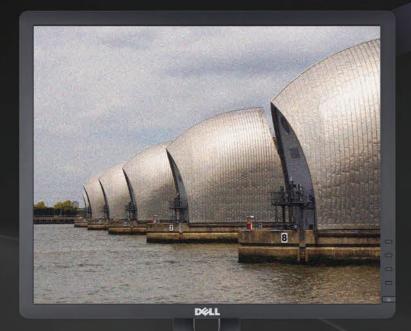






INVICTUS Simultaneous Analogue & HD in ONE PTZ Camera No additional equipment required

Analogue 4:3 700TV Lines





Full HD 1080p



TO THIS



FROM THIS

- ULTRA low light camera modules
- Dual Hybrid analogue & HD IP technology
- Ultra-low power consumption
- (Optional) Infrared & White light
- Direct Drive Pan & Tilt

- High quality paint finishes
- Dedicated set-up Apps
- On board recording up to 256Gb
- 3 year warranty as standard with Optional Extended Warranty to 5 years!

Support & Compatibility

Our commitment to the ONVIF organisation also extends to constant and proactive direct communication with VMS 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, 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!













Mission Mis	PRODUCT SPECIFICATION	23x ULTRA HYBRID		32x ULTRA HYBRID	
Advance	Colour/Mono	Yes		Yes	
Zoom-Total Zoom-Zoom-Total Zoom-Zoom-Zoom-Zoom-Zoom-Zoom-Zoom-Zoom	Imager (CMOS)	1/1.9"		1/1.9"	
Pixels (Megacixels)	Zoom - Optical + Digital	23x, 12x		32x, 12x	
Honizontal view angle	Zoom - Total	276x 384x			
Lene Size 6-13Bmm B-192mm Min Sensitivity-reduce DOO2 Lux 0.002 Lux 0.002 Lux Signal Notice Ratio 5-50dB >50dB Picture Piley Yea Yes Yes Yes Yes Picture Freeze Yes ALL INVICTUS units have the following functions Picture Freeze Yes Yes Yes Yes Picture Freeze Yes ALL INVICTUS units have the following functions Picture Freeze Yes Yes Yes Yes Picture Freeze Yes ALL INVICTUS units have the following functions Picture Preeze Yes Yes Yes Yes Picture Freeze Yes ALL INVICTUS units have the following functions Picture Preeze Yes Yes Yes Yes Picture Freeze Yes ALL INVICTUS units have the following functions Picture Preeze Yes Yes Yes Yes Picture Freeze Yes Yes Yes Picture Freeze Yes Yes Yes Yes Picture Freeze Yes Yes Yes Yes Picture Freeze Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	Pixels (Megapixels)	Approx 2.38 Approx 2.38			
Min Sensitivity- realizer Min Sensitivity- realizer Min Sensitivity- realizer Min Sensitivity- realizer 0.0002 Lux 0.00	Horizontal view angle	60°(W)-3.2°(T) 60°(W)-2.2°(T)			
Min. Senetability - minno linit	Lens Size	6-138mm 6-192mm			
Signal Noise Fatbo	Min Sensitivity - colour	0.002 Lux			
Picture Filip Yes	Min Sensitivity - mono Int	0.0002 Lux 0.0002 Lux			
Picturia Freeze Yes	Signal Noise Ratio	>50dB			
PRODUCT FEATURES	Picture Flip	es Yes			
Proceste	Picture Freeze	Yes	Yes		
Presetta	PRODUCT FEATURES	ALL INVICTUS units have the following functions			
Learned Patrols	Focus/Iris	Auto/Manual			
Learned Patrola	Presets	101			
Privacy Zones	Tours	4 (max 90 presets per tour)			
Variable pan speed/coverage 0.1 - 1201/sec, 360° continuous rotation, absolute positioning Variable tilt speed/coverage 0.1 - 1201/sec, 160°, 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 Openating temperature 40°C to +60°C Power 28-36VDC (12VDC and POE Options) Mounting options Wall, Corner, Pole and Soffit Certification UKCA, CE & FCC approval: Ingress IP67: Independent power certification and Elexon Charge Codes available SiRiUS ILLUMINATION (Optional): IR & WHITE LIGHT (Nominal) IR/ IR200 IR: 140 metres / IR200: 200 metres IRWL: 140 metres / IR: 140 metres, SWL: 200 metres IRWL: 140 metres / IR: 140 metres, SWL: 200 metres IRWICTUS (HIMA with lamp) 9kg ODEC 25/50 ps ASPEOT 30/60 ps HD 120p 1 220x1 1080 16:9 1 280x720 HD 220p 1 280x720 16:9 1 280x720 O1 7 20x576 4:3 7 20x480 VGA 640x480 4:3 640x480 OVGA	Learned Patrols	4 mimic tours - up to 10 minutes duration each			
Variable tilt speed/coverage D.1-120'/sec, 160', absolute positioning Auto Homing Goes to preset, tour or mimic tour after prescribed time Col/Mono Changeover 4 levels - 3 fixed, 1 oustom/user defined Operating temperature 40°C to +60°C Power 28-36VDC (12VDC and POE Options) Mounting options Wall, Cornen Pole and Soffit Certification UKCA, CE & FCC approval: Ingress IP67: Independent power certification and Elexan Charge Codes available SRIUSILLUMINATION (Optional): IR & WHITE LIGHT (Nominal) IR/ IR200 IR: 140 metres / IR200: 200 metres IRVIL 18200SWL IRWL: 140 metres / IR: 140 metres, SWL: 200 metres VEIGHTS IRVIL: 140 metres / IR: 140 metres, SWL: 200 metres INVICTUS (HMA No lamps) 8.5kg INVICTUS (HMA with lamp) 9kg CODEC 25/50fps ASPECT G0/60fps HD 1080p 1920x1080 16:9 1920x1080 HD720p 1280x720 16:9 1280x720 D1 720x576 4:3 720x480 VGA 840x480 4:3 640x480 OVGA 432x24	Privacy Zones	Up to 24			
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 40°C to +60°C Power 28-36 VDC (12 VDC and PDE Options) Mounting options Well, Conner, Pole and Soffit Certification UKCA, CE & FCC approval: Ingress IP67: Independent power certification and Elexon Charge Codes available SiRiUS ILLUMINATION (Optional): IR & WHITE LIGHT (Nominal) IR / IR200 IR: 140 metres / IR200: 200 metres IRWL / IR200SWL IRWL: 140 metres / IR: 140 metres, SWL: 200 metres INMICTUS (HMA No lamps) 8.5 kg INMICTUS (HMA No lamps) 8.5 kg INMICTUS (HMA with lamp) 9kg CODEC 25/50 fps ASPECT 30/60 fps HD 1080p 1920x1080 16:9 1920x1080 HD720p 1280x720 16:9 1920x1080 HD720p 1280x720 16:9 1280x720 D1 720x576 4:3 720x480 VGA 640x480 4:3 640x480 VGA 640x480 4:3 640x480 OVGA 132x240 16:9 432x240 Distribution Multi Streaming Codec, 2 independently configurable profiles Image Compression Levels CBR, VBR Peint Options RAL Black 9005	Variable pan speed/coverage	0.1 - 120°/sec, 360° continuous rotation, absolute positioning			
Col/Mono Changeover 4 levels - 3 fixed, 1 custom/user defined Operating temperature 40°C to +60°C Power 28-36VDC (12VDC and POE Options) Mounting options Wall, Cornen Pole and Soffit Certification UKCA, CE & FCC approval: Ingress IP87: Independent power certification and Elexon Charge Codes available SIRIUS ILLUMINATION (Optional): IR & WHITE LIGHT (Nominal) IR/ IR200 IR: 140 metres / IR: 140 metres, SWL: 200 metres IRWL/ IR200SWL IRWL: 140 metres / IR: 140 metres, SWL: 200 metres IRWL/ IR200SWL IRWL: 140 metres / IR: 140 metres, SWL: 200 metres IRWL/ IR200SWL IRWL: 140 metres / IR: 140 metres, SWL: 200 metres IRWL/ IR200SWL IRWL: 140 metres / IR: 140 metres, SWL: 200 metres IRWL/ IR200SWL IRWL: 140 metres / IR: 140 metres, SWL: 200 metres IRWL/ IR200SWL IRWL: 140 metres / IR: 140 metres, SWL: 200 metres IRWL/ IR200SWL IRWL: 140 metres, SWL: 200 metres IRWL/ IR200SWL IRWL: 140 metres, SWL: 200 metres IRWL/ IR200SWL SKg VEIGHT SKg IRWL/ IR200SWL ASPECT 30/60fps HD1080p 1920x1080 16:9 1280x720 HD720p 1280x720<	Variable tilt speed/coverage	0.1 - 120º/sec, 160º, absolute positioning			
Operating temperature 40°C to +60°C Power 28-36VDC (12VDC and PDE Options) Mounting options Wall, Corner, Pole and Soffit Certification LiCCA, CE & FCC approvati. Ingress IP67: Independent power certification and Elexon Charge Codes available SIRIUS ILLUMINATION (Optional): IR & WHITE LIGHT (Nominal) IR / IR200 IR: 140 metres / IR200: 200 metres IRWL/ IR20DSWL IRWL: 140 metres / IR: 140 metres, SWL: 200 metres INVICTUS (HMA No lamps) 8.5kg INVICTUS (HMA with lamp) 9kg CODEC 25/50fps ASPECT 30/60fps HD 1080p 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 Streaming Codec, 2 independently configurable profiles Image Compression H.264, MJPEG, H.265 Protocols ONVIF (S), 802:1, SSL, TCP/IP, HTTP, HTTPS, RTP, RTSP, 360SDK, GoS Compression levels <t< th=""><th>Auto Homing</th><th colspan="4">Goes to preset, tour or mimic tour after prescribed time</th></t<>	Auto Homing	Goes to preset, tour or mimic tour after prescribed time			
Power 28-36VDC (12VDC and PDE Options) Mounting options Wall, Corner, Pole and Soffit Certification UKCA, CE & FCC approval: Ingress IP67: Independent power certification and Elexon Charge Codes available SIRIUS ILLUMINATION (Optional) IR & WHITE LIGHT (Nominal) IR/ IR200 IR: 140 metres / IR200: 200 metres IR/ IR20D IR: 140 metres / IR: 140 metres, SWL: 200 metres IRVM_/ IR20DSWL IRWL: 140 metres / IR: 140 metres, SWL: 200 metres WEIGHTS IRVM_/ IR20D metres INVICTUS (HMA No lamps) 8.5 kg INVICTUS (HMA with lamp) 9kg CODEC 25/50fps ASPECT 30/60fps 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 Streeming Codec, 2 independently configurable profiles Image Compression H.264, MJPEG, H.265 Protocols ONVIF (S), 802:1, SSL, TCP/IP, HTT	Col/Mono Changeover	4 levels - 3 fixed, 1 custom/user defined			
Mounting options Wall, Corner, Pole and Soffit Certification UKCA, CE & FCC approval: Ingress IP67: Independent power certification and Elexon Charge Codes available SIRILIS ILLUMINATION (Optional): IR & WHITE LIGHT (Nominal) IR/ IR200 IR: 140 metres / IR200: 200 metres IRWL / IR200SWL IRWL: 140 metres / IR: 140 metres, SWL: 200 metres VEIGHTS IRWL: 140 metres / IR: 140 metres, SWL: 200 metres INVICTUS (HMA No lamps) 8.5kg INVICTUS (HMA with lamp) 9kg CODEC 25/50fps ASPECT 30/60fps HD1080p 1920x1080 16:9 1920x1080 HD720p 1280x720 16:9 1280x720 D1 720x576 4:3 720x480 VGA 640x480 4:3 640x480 GVGA 432x240 16:9 432x240 Distribution Multi Streaming Codec, 2 independently configurable profiles Image Compression H.264, MJPEG, H.265 Protocols ONVIF (S), 802.1, SSL, TCP/IP, HTTP, HTTPS, RTP, RTSP, 360SDK, QoS Compression levels CBR, VBR Protocols <t< th=""><th>Operating temperature</th><th colspan="4">-40°C to +60°C</th></t<>	Operating temperature	-40°C to +60°C			
Dertification LIKCA, CE & FCC approval: Ingress IP67: Independent power certification and Elexon Charge Codes available SIRIUS ILLUMINATION (Optional): IR & WHITE LIGHT (Nominal) IR/ IR200 IR: 140 metres / IR200: 200 metres IRWL/ IR200SWL IRWL: 140 metres / IR: 140 metres, SWL: 200 metres VEIGHTS INVICTUS (HMA No lamps) 8.5 kg INVICTUS (HMA with lamp) 9kg ASPECT 30/80 fps CODEC 25/50 fps ASPECT 30/80 fps HD1080p 1920x1080 16:9 1280x720 D1 720x576 4:3 1280x720 D1 720x576 4:3 640x480 QVGA 432x240 16:9 432x240 Distribution Multi Streaming Codec, 2 independently configurable profiles Image Compression H.264, MJPEG, H.265 Protocols ONVIF (S), 802.1, SSL, TCP/IP, HTTP, HTTPS, RTP, RTSP, 360SDK, QoS Compression levels CBR, VBR Paint Options RAL Black 9005	Power	28-36VDC (12VDC and POE Options)			
Independent power certification and Elexon Charge Codes available	Mounting options	Wall, Corner, Pole and Soffit			
IR: 140 metres / IR200: 200 metres IRWL / IR200SWL	Certification				
IRWL / IR200SWL IRWL: 140 metres / IR: 140 metres, SWL: 200 metres	SIRIUS ILLUMINATION (Optional):	IR & WHITE LIGHT (Nominal)			
NVICTUS (HMA No lamps) 8.5kg	IR/IR200	IR: 140 metres / IR200: 200 metres			
INVICTUS (HMA No lamps) 8.5kg INVICTUS (HMA with lamp) 9kg	IRWL/IR200SWL	IRWL: 140 metres / IR: 140 metres, SWL: 200 metres			
INMCTUS (HMA with lamp) 9kg	WEIGHTS				
CODEC 25/50fps ASPECT 30/60fps HD1080p 1920x1080 16:9 1920x1080 HD720p 1280x720 16:9 1280x720 D1 720x576 4:3 720x480 VGA 640x480 4:3 640x480 GVGA 432x240 16:9 432x240 Distribution Multi Streaming Codec, 2 independently configurable profiles Image Compression H.264, MJPEG, H.265 Protocols ONVIF (S), 802.1, SSL, TCP/IP, HTTP, HTTPS, RTP, RTSP, 360SDK, QoS Compression levels CBR, VBR Paint Options RAL Black 9005	INVICTUS (HMA No lamps)	8.5kg			
HD1080p	INVICTUS (HMA with lamp)	9kg			
HD720p	CODEC	25/50fps	ASPECT		30/60fps
D1 720x576 4:3 720x480 VGA 640x480 4:3 640x480 GVGA 432x240 16:9 432x240 Distribution Multi Streaming Codec, 2 independently configurable profiles Image Compression H.264, MJPEG, H.265 Protocols ONVIF [S], 802.1, SSL, TCP/IP, HTTP, HTTPS, RTP, RTSP, 36SDK, GoS Compression levels CBR, VBR Paint Options RAL Black 9005	HD1080p	1920×1080	16:9		1920x1080
VGA 640x480 4:3 640x480 GVGA 432x240 16:9 432x240 Distribution Multi Streaming Codec, 2 independently configurable profiles Image Compression H.264, MJPEG, H.265 Protocols ONVIF (S), 802.1, SSL, TCP/IP, HTTP, HTTPS, RTP, RTSP, 360SDK, QoS Compression levels CBR, VBR Paint Options RAL Black 9005	HD720p	1280x720	16:9		1280x720
GVGA 432x240 16:9 432x240 Distribution Multi Streaming Codec, 2 independently configurable profiles Image Compression H.264, MJPEG, H.265 Protocols ONVIF (S), 802.1, SSL, TCP/IP, HTTP, HTTPS, RTP, RTSP, 360SDK, QoS Compression levels CBR, VBR Paint Options RAL Black 9005	□1	720x576	4:3		720x480
Distribution Multi Streaming Codec, 2 independently configurable profiles Image Compression H.264, MJPEG, H.265 Protocols ONVIF (S), 802.1, SSL, TCP/IP, HTTP, HTTPS, RTP, RTSP, 360SDK, GoS Compression levels CBR, VBR Paint Options RAL Black 9005	VGA	640x480	4:3		640x480
Image Compression H.264, MJPEG, H.265 Protocols ONVIF (S), 802.1, SSL, TCP/IP, HTTP, HTTPS, RTP, RTSP, 360SDK, QoS Compression levels CBR, VBR Paint Options RAL Black 9005	QVGA	432x240	16:9		432x240
Protocols ONVIF (S), 802.1, SSL, TCP/IP, HTTPS, RTP, RTSP, 360SDK, QoS Compression levels CBR, VBR Paint Options RAL Black 9005	Distribution	Multi Streaming Codec, 2 independently configurable profiles			
Compression levels CBR, VBR Paint Options RAL Black 9005	Image Compression	H.264, MJPEG, H.265			
Paint Options BAL Black 9005	Protocols	ONVIF (S), 802.1, SSL, TCP/IP, HTTP, HTTPS, RTP, RTSP, 360SDK, QoS			
Black 9005	Compression levels	CBR, VBR			
	Paint Options	RAL			
NAI :	Black	9005			
VVnite 9003	White	9003			

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The manufacturer reserves the right to change specifications without notice.



