



Quick Start Guide Invictus & Predator 'Coastal' installations.

This is meant as a quick installation guide to help the installation process, for more information please read the manual which can be found by scanning the above QR code

Please contact Technical Support for any Product issues or Troubleshooting during or after installation: email: <u>techsupport@360visiontechnology.com</u> or phone: <u>01928 246014</u>

For anything else please contact sales: salesadmin@360visiontechnology.com or phone: 01928 570000

Mechanical interface: Camera assembly installation; minimum requirements:

- Where 360-Vision Technology camera units are installed at or near coastal areas
- Where 360-Vision Technology camera units are installed on, or in contact with unprotected structures (exposed stainless steel) or similar where galvanic corrosion is a concern.

The following minimum requirements shall be followed:



The above illustration shows a HMA version of camera mount, the same principle applies with PMA and direct mount versions.

Failure to adhere to the above fixing specifications will invalidate the extended Paint Warranty360 Vision Technology LtdQuick Start Guide (Predator_Invictus_Coastal_30112019_v_1)

- Default IP for all products 192.168.1.187 Username **admin** and Password **9999**
- Discovery and Configuration dedicated Stand Alone Apps are available by scanning this QR Code
- Browser Connection possible via Safari, Firefox, MS Edge and IE 1 second video update is standard via browsers – For real time video on setup, please use dedicated stand-alone apps
- If using Avigilon ACC4 or ACC5, please set ONVIF version to '2.02' BEFORE scanning for ONVIF cameras

	51	360 Vision Technology Limited	× +									
÷	÷	C" û	0 🔒	192.168.1.156/logon.html#			🗉 🚥 🖾 🗘 Se	arch		1		≡
		Live View Live Video Live Status Recording Browser		Interfaces Configurable Auxiliary Functions		Predator HD	Force ONVIF Contiguration					
	Į,	Settings		Function	ONVIF Token		Rept	orted Version	Default		~	2
		Video		Auxiliary 1 Off	Y AUX1		Preset T	oken Format	Default		~	
		Video Advanced		Auxiliary 2 Off	 AUX2 		Authorisat	ion Elevation	Default		>	
		Advanced Features Camera		Auxiliary 3 Off	Y AUX3			sition Range			~	
		PTZ Zones		Auxiliary 4 Off	~ AU04		Tit Po	sition Range	0 -> 180		>	
		Date & Time Network		Auxiliary 5 Off	× AUX5	-	Advert	tise Multicast	Provide State		9	
		Interfaces		Auxiliary 6 Off	ALDOS					INUTION A MUDIDUN	a 🕑	
		Recording Audio		Auxiliary 7 Off	- AUX7		Pre-def	ined Presets			2	
	Π,	Add / Edit Users		Auxiliary 8 Off	ALDIS			Iris Scale	Attenuation (dB)		9	
	۶	Maintenance										
		Browser										
						Cancel						

- Default INVICTUS settings set to 'enhanced low light' with Aperture set to 10 and Exposure Offset set to +10dB
- If images are too bright (in well-lit scenes) reduce the **Exposure Offset** to suit





 Please Note Default 'Night Illumination' is set to 'None' if you require the IR Lamps to come on when the camera switches to mono this setting will need to be changed to 'IR'

300 Vision Technology U., × +			-
0) 🖩 🖉 192.168.1.243/logon.html#		c	역, Scorch ☆白豆 ♣ 余
📑 Live View	Camera	Twadus HD	Z008 x82
Lan Vitra	Camera Settings	Ngnt Settings	
	Digital Zoom dar	Hight Changeover Light	
Settings	White Balance Contoor Auto	Custom ON Level	
	Wide Dynamic Range Auto	Custon OFF Level	
Video Advanced Advanced Features	Zoom Speed #astost	Noit Brithard	No. of the second secon
Cantera	Propositional Zoom On Frenze Presets Off	NgH Rumaton Itone	
Date & Time Network	Day Aperture 10	Night Sensor Mono	
Intofacos	Bonsor Frame Rate PAL	Night Fotus Range Ambert	
Add / Edit Users	Aito Focustris in PTZ On:	Night Focus Sensitivity Low	·
🎽 Maintenance	Fast Shutter Off	Night Aperture 10	Configuration Sun Sheld
💮 Browser	Near Pocal Limit 10 m Steady Shot Off	Night Noise Reduction 1 Night Presets On	Auto File Or
E Logout	Exposure Offset 10.5 c8	Din Lights Angle Ing	Attack Detect Off
		1 EO Den Ligtis Intensity 1075	upright Mount Pole
		Nght HLC Level Off	Paner on Park on
		Sight HLC Mast	Pan/III Speed Norma
			Status Retresh Rate Slow
			Static PTZ Mode Cit Powor Saving Full Power
			and the second se
			Lighting
			White Large Co.
			White Timer 1 min
			Auto Dimming Off
0		Cancel OK	
TECHNOLOGY TECHNOLOGY			-
Ovisen Technology Li. X +		q	- - در چوریش شاه که ۱۹
Misson Technology LL. X + # 192.168.1243/togon.html#	Camera		1 Q, Search ☆ 台 ♥ ♣ ♠
Yisan Technology LL, X + Mil M 192168 1 243 (Sepan Jamilé K Lava Vienar	Camera	II methis H0	
Yison Technology LL. X + 192:168:1243/togen.html#	Camera Settings	Night Settings	1 Q, Search ☆ 台 ♥ ♣ ♠
Noen Rokwlog LL X + # 1921-60.123/hogen.hosH# # Line Vises Lane Vises Lane Vises	Camera Settings	II methis H0	1 Q, Search ☆ 台 ♥ ♣ ♠
New York Very U. X + # 122.162.123/fuges.hest# K Live Verw Live Vitros Live Stats Selfinge	Camera Settings Digital Zoom Off While Datance Outdoor Auto	Night Settings	1 Q, Search ☆ 台 ♥ ♣ ♠
Norm Technology ELL X + 1921-168 1220 Region Antole 1921-169 1220 Region Antole 1921-169 1220 Region Antole Live Values Verso Verso Verso Verso Verso 1921-169 1220 Region Antole 1921-169 120 Region Antole 19	Camera Settings Digital Zoom Om White Dusine Outdoor Auto White Dusine Range Auto Zoom Spend: Fasted	Investor extension Caster of File and Test Changeover Caster of File and Test Test Test Test Test Test Test Test	1 Q, Search ☆ 台 ♥ ♣ ♠
tion Tabledge L. X + # 1921681220 Represented Line Volar Line Volar Line Volar Softings Vono Vono Compositions Compositions	Convers Settings Olgita Zoon Ort While Datative OnStor Anto While Datative Auto Vinde Dynamic Kange Auto Proportional Zoon Oni	Negat Settings Negat Settings Negat Settings Custor Ok Level To Custor Ok Level To Negat Inspire Negat Negat	1 Q, Search ☆ 台 ♥ ♣ ♠
teer factoring full. X + 10 - 2024 (61.223 (Separation of Lev. More Lev. M	Comera Settings Diplai 2001 Dr. White Bulance Vitak Dyamic Kinary Alto Vitak Dyamic Kinary Alto Vitak Dyamic Kinary Propriliced Zore Propriliced Dre	Aget Setting Aget Setting Aget Setting Castor Of Level 19 Castor Of Level 19 Castor Of Level 19 Castor Of Level 19 Aget Managet Mark Managet Managet North Managet Managet North Managet Managet	1 Q, Search ☆ 台 ♥ ♣ ♠
tear Technolog La X (+ di 1921 68 120 Jugensheidel Lave Vane Lave Vane	Convers Settings Olgita Zoon Ort While Datative OnStor Anto While Datative Auto Vinde Dynamic Kange Auto Proportional Zoon Oni	Negati Secondo Negati Secondo Negati Calacociare (1) Caston Gi Level (1) Caston Gi Level (1) Rugit Anglene (1) Negati Manglene Negati	1 Q, Search ☆ 台 ♥ ♣ ♠
New Technolog Lu X + # 1921681220 Technologie Lew Woo Dee Shine Sectory Water Allower Manual Catheres Advanced Def & The Britons Britons Britons	Convers Settings Digital Zoon Cot White Dataice Distance Distance Distance Whote Dynamic Hange App Proventive Zoon Got Proces Proces Cot Dev Adminus 100	Norther AD North Sectory North Sectory North Sectory North Sectory North Contended to Learn Contend to Learn North Contended to Learn North Contend North Contended North Contended North North Con	A facebook of the second secon
teer Telvholig La, 27 (+ df 192-63) 220 Supported The View Telefons Feltime View State View State V	Canera Sensign Digita Zuori Ori Mille Zuare Oristor Auto Insk Upare Rump Auto Zuori Stane Testell Proportional Zuori Divi Andriana Million Divi Andriana Million Bellioner Francis Rati Auto Francis Nati Fast State Fast State	Rept Setting Rept Setting Rept Chapters Caston On Level 19 Caston On Level 19 Caston On Level 19 Rept Chapters Rept Remove 19 Nort North Nort North Nort North North Nort North Nor	Congregation
New Yorking Lu, X (+ 36 1921 Cd 12 Cd report hat # Line View Line View View States View States View States View States View States Control Data Films View States View States	Optimization Optimization White Balance Constant calls White Balance Addr White Balance Constant calls Balance Constant calls Add Properties Appendix Constant calls Add Properties Appendix Constant calls Add Roburds Constant calls Add Roburds Constant calls Add Roburds Constant calls	Manuaria Andre Andre Manuaria Sectores Andre An	
New Technolog Lu, X + # 1921681220 Technologie Les Ware Les Ware Les Ware Les Ware Les Ware Les Ware Les Ware Les Ware Les Ware Martings Marting Martings Marting	Canera Sensign Dipla Zoon Ori Web Sparse Oxistor Auto Inde Sparse Samp Auto Auto Sparse Freistell Proportional Zoom Ori Berroach Freistell Ori Berroach Freistell Inde Sparse Freistelle Inde	Agent Setting Agent Setting Agent Setting Agent Setting Custor: Ch Level 19 Agent Setting Not Torre	A faceb Too 12 Too 1
New Technolog Lu, X + # 1921681220 Technologie Les Ware Les Ware Les Ware Les Ware Les Ware Les Ware Les Ware Les Ware Les Ware Martings Marting Martings Marting	Center Seening Upda Succ. 0 With Barner, Collador Auto Wate Barner, Collador Auto Wate Barner, Collador Process Process Development Coll Process Process Coll Auto Consilion (1972) Coll Auto Consilion (1972) Coll Barner Gran Rate Coll Auto Consilion (1972) Coll Barner Santa (1973) Coll Barner San	MarchishD M	A solution Configuration Configurati
New Technolog Lu, X + # 1921681220 Technologie Les Ware Les Ware Les Ware Les Ware Les Ware Les Ware Les Ware Les Ware Les Ware Martings Marting Martings Marting	Center Seening Upda Succ. 0 With Barner, Collador Auto Wate Barner, Collador Auto Wate Barner, Collador Process Process Development Coll Process Process Coll Auto Consilion (1972) Coll Auto Consilion (1972) Coll Barner Gran Rate Coll Auto Consilion (1972) Coll Barner Santa (1973) Coll Barner San	Agent Setting Agent Setting Agent Setting Agent Setting Custor: Ch Level 19 Agent Setting Not Torre	A factor Comparation Comp
Alea Tachadag La X + S - 232.461.223 (approximate Les Man Les M	Center Seening Upda Succ. 0 With Barner, Collador Auto Wate Barner, Collador Auto Wate Barner, Collador Process Process Development Coll Process Process Coll Auto Consilion (1972) Coll Auto Consilion (1972) Coll Barner Gran Rate Coll Auto Consilion (1972) Coll Barner Santa (1973) Coll Barner San	With MACIA PO Agent Settings Ingle Charge-line Caston Cri Lenel 10	A cardo Comparation
New Schrödeg LL X + Ver	Center Seening Upda Succ. 0 With Barner, Collador Auto Wate Barner, Collador Auto Wate Barner, Collador Process Process Development Coll Process Process Coll Auto Consilion (1972) Coll Auto Consilion (1972) Coll Barner Gran Rate Coll Auto Consilion (1972) Coll Barner Santa (1973) Coll Barner San	Normality of the second of the	A factor Image: Comparison of the co
Alea Tachadag La X + S - 232.461.223 (approximate Les Man Les M	Center Seening Upda Succ. 0 With Barner, Collador Auto Wate Barner, Collador Auto Wate Barner, Collador Process Process Development Coll Process Process Coll Auto Consilion (1972) Coll Auto Consilion (1972) Coll Barner Gran Rate Coll Auto Consilion (1972) Coll Barner Santa (1973) Coll Barner San	Normality of the second of the	A card A constant
New York (12) X (+ Very Very Very Very Very Very Very Very	Center Seening Upda Succ. 0 With Barner, Collador Auto Wate Barner, Collador Auto Wate Barner, Collador Process Process Development Coll Process Process Coll Auto Consilion (1972) Coll Auto Consilion (1972) Coll Barner Gran Rate Coll Auto Consilion (1972) Coll Barner Santa (1973) Coll Barner San	Normality of the second of the	A data
New York (12) X (+ Very Very Very Very Very Very Very Very	Center Seening Upda Succ. 0 With Barner, Collador Auto Wate Barner, Collador Auto Wate Barner, Collador Process Process Development Coll Process Process Coll Auto Consilion (1972) Coll Auto Consilion (1972) Coll Barner Gran Rate Coll Auto Consilion (1972) Coll Barner Santa (1973) Coll Barner San	Normality of the second of the	A card A constant
Vision Schridop LL X (+ 100 J 121(20 122) Supporter 100 Lev Mark 100 Schrige 100 Schrige 10	Center Seening Upda Succ. 0 With Barner, Collador Auto Wate Barner, Collador Auto Wate Barner, Collador Process Process Development Coll Process Process Coll Auto Consilion (1972) Coll Auto Consilion (1972) Coll Barner Gran Rate Coll Auto Consilion (1972) Coll Barner Santa (1973) Coll Barner San	Normality of the second of the	A card A constant of the second of
New York (12) X (+ Very Very Very Very Very Very Very Very	Center Seening Upda Succ. 0 With Barner, Collador Auto Wate Barner, Collador Auto Wate Barner, Collador Process Process Development Coll Process Process Coll Auto Consilion (1972) Coll Auto Consilion (1972) Coll Barner Gran Rate Coll Auto Consilion (1972) Coll Barner Santa (1973) Coll Barner San	Normality of the second of the	A factor
Priver Nachdog LL X (+ Mill of 1921/03.120 Super-hard/ Lev Noto Lev Noto Lev Noto Lev Noto Mode Almond Access a Noto Noto Noto Noto Noto Noto Mill Control Lev Noto Mill Control Mill	Center Seening Upda Succ. 0 With Barner, Collador Auto Wate Barner, Collador Auto Wate Barner, Collador Process Process Development Coll Process Process Coll Auto Consilion (1972) Coll Auto Consilion (1972) Coll Barner Gran Rate Coll Auto Consilion (1972) Coll Barner Santa (1973) Coll Barner San	Normality of the second of the	A card
Priver Nachdog LL X (+ Mill of 1921/03.120 Super-hard/ Lev Noto Lev Noto Lev Noto Lev Noto Mode Almond Access a Noto Noto Noto Noto Noto Noto Mill Control Lev Noto Mill Control Mill	Center Seening Upda Sace While Banner While Banner While Banner While Banner While Banner Process Proce	Normality of the second	A card A constant of the second of
Priver Nachdog LL X (+ Mill of 1921/03.120 Super-hard/ Lev Noto Lev Noto Lev Noto Lev Noto Mode Almond Access a Noto Noto Noto Noto Noto Noto Mill Control Lev Noto Mill Control Mill	Center Seening Upda Sace While Banner While Banner While Banner While Banner While Banner Process Proce	Normality of the second of the	A card
Rever Schedung LL , X (+ III // 12:10:13:20 Super-Schell III // 12:10:13:20 Super-Schell III Schell III Schell Votes	Center Seening Upda Sace While Banner While Banner While Banner While Banner While Banner Process Proce	Normality of the second	A card
Count Nording L. X + If (12:03:12:20 Separation County of the second s	Center Seening Upda Sace While Banner While Banner While Banner While Banner While Banner Process Proce	Normality of the second	A card
Privan Novskip LL X +	Center Seening Upda Sace While Banner While Banner While Banner While Banner While Banner Process Proce	Normality of the second	A card

- All HYBRID version cameras are set by default to 'Digital' Output Mode. This provides both HD/IP Video streaming and Analogue Video Output (plus IP ONVIF/SDK control and RS-485 twisted pair telemetry control options).
- To enable PAL Analogue Video Output (50 images per second) set the **Output Mode** to '**Analogue**'. This setting is on the Video page. **The HD/IP Video Streaming is disabled in Analogue mode.**

360 Vision Technology Limited				_	×
Live View	Video				
Live Video	Camera Invictus HD				
Live Status	Stream Type Single •				
	CODEC H.264 .				
Video Video Advanced	Resolution H264:1080				
Advanced Features	Stream 1				
Camera Date & Time	Framerate 25 • fps				
Network	Bit Rate				
Interfaces	Rate Control CVBR				
Add / Edit Users	Overlay Settings				
Maintenance					
Desktop	Time	RTSP URL	rtsp://192.168.1.187:554/h264main	Сору	
E Logout	Text Invictus HD Position Top-righ •			Copy	
1_26_02	Detailed Info	Overlay Positions	Date Bottom-rigt • Time Bottom-rigt •		
	Custom A Type User		Show Sub-stream by Default		
	Custom B Type User		RTSP authentication		
			D1 16:9 aspect ratio		
(and a second s		Output Mode	Default •		
360VISION	(Cancel	Default O Analogue		
TECHNOLOGY			O Analogue		

Wiring for HMA (Hinged Mount Adaptor) and Hybrid 12 pin

Installation for Hinge Mount

- Fit the seal supplied to the Hinge mount
- Remove the three locking bolts and open the hinged mount. Ensure the safety lanyard is attached and carefully allow the camera to rest on this.
- Run the cable through a M20 gland (supplied) into the camera using either the side or underneath entry hole, fit the supplied blanking plug into the unused hole.
- Close the hinge and re-fit the 3 locking bolts securely so the gasket compresses.
- Tighten the gland, Silicone maybe required to ensure a water tight seal around the cables, do not use an adhesive or silicone between the seal and the surface that the hinged mount is attached.
- Please make sure there is adequate spare cable (20cm) for when the camera is resting on the lanyard, failure to do this could damage the connector circuit board.



Predator / Invictus Hinged Mount Adapter PCB Connections

BNC 1 - Thermal/Analogue output CON 4 – Ethernet Port CON 5 – Power Connection CON 6 - Washer Connection CON 7 – RS485 Connection

Predator Hybrid camera PSU shown PREDHYB-PSU-SM



Photo-Biological Safety

Lighting options

- SIR110, SIR140WL, SIR160, 250WL
- The lighting options listed above fulfill the requirements for photo-biological safety according to IEC/EN 62471 (Risk Group 1)
- Avoid prolonged eye exposure, do not stare at operating lamp.

Risk Group 1	
WARNING IR emitted from this product. Do not stare at operati lamp NOTICE . IR emitted from this product. Do not stare at operati lamp.	
Product tested against IEC62	471

Lighting options

- SIR200, SIR275, SIR250WL, SIR400, SIR550S, 400SWL, SIR100W200N
- The lighting options listed above fulfil the requirements for photo-biological safety according to IEC/EN 62471 (Risk Group 2).
- Avoid prolonged eye exposure, do not stare at operating lamp.

Risk G	roup 2
WARNING IR emitte product. Do not sta lamp CAUTION. IR emitt product. Do not sta lamp.	re at operating ed from this
Product tested a	gainst IEC62471

Storage

• Failure to adhere to storage conditions or leaving the product without power for extended periods in external conditions will result in condensation within the illumination housing. This is due to trapped air contained within the IP6x sealed unit which naturally dissipates once powered from an approved 360VTL Power Supply Unit (PSU).

