360VISION
TECHNOLOGY

Product Brochure

CENTURION HYBRID

Analogue 4:3
(HD Quality)

Full HD 1080p

From this

To this

Centurion Hybrid
Analogue & HD
in ONE
PTZ Camera

No additional equipment required.

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TECHNOLOGY

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CENTURION HYBRID

DESIGNED AND MANUFACTURED IN THE UK · IP67 · ONVIF · Full HD 1080

FULL 1080P HIGH DEFINITION VIDEO

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

Future Proofing CCTV Surveillance Systems

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

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

Using Centurion 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 Centurion 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 Centurion Hybrid - even using 3rd party protocols such as Pelco, VCL, Forward Vision, Ultrak and more.

Centurion 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!"

ONVIF 360 SDK

VMS Software Control

Conventional Analogue Matrix/Joystick Control (various Protocols inc Pelco etc)

RS485 Analogue Control

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CENTURION HYBRID

DESIGNED AND MANUFACTURED IN THE UK IP67 Onvif Full HD 1080

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.

IP Protocols
ONVIF 'S' compliant 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 Dual IR & White Light options. Up to 110 metres of IR lighting and up to 110 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.

IP67 Certification
IP67 certified for the harshest environments.

360 Enhanced Low Light cameras
360 Enhanced low light cameras with mono video images as low as 0.0008 lux (no illumination)

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

Centurion Hybrid: Patent Pending
Option giving ANALOGUE and 1080p HD output/control, for system migration to full HD.
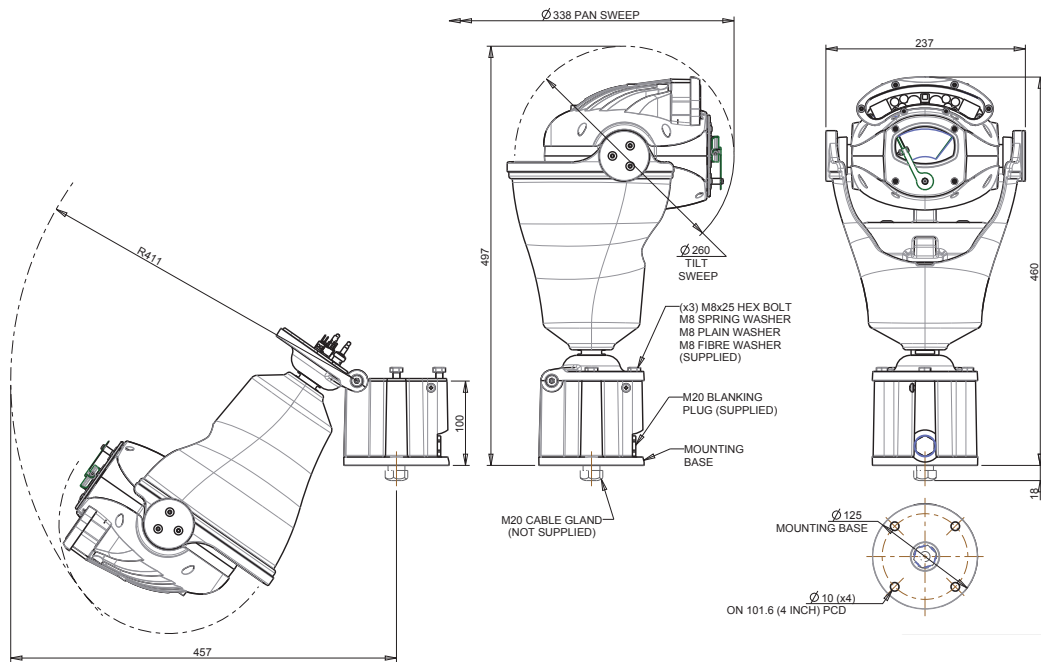
Maritime Paint
10 year maritime paint option.

Warranty
3 year warranty
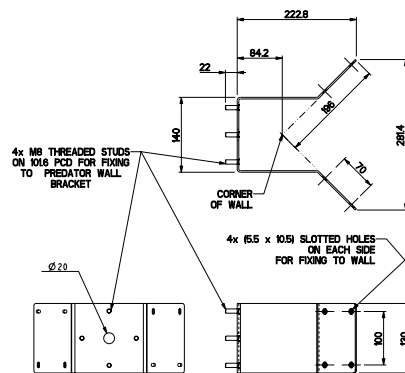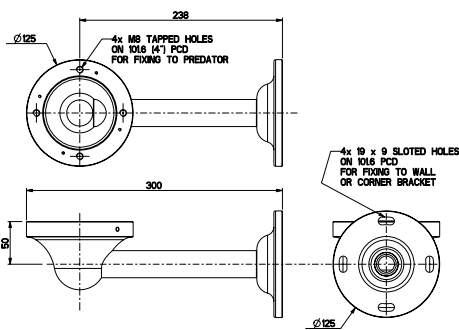
Centurion HYBRID
Hinged Mount Adapter with lamp
Weight: 9kg

Ø 338 PAN SWEEP

R411

497

100

457

237

460

18

Ø 260
TILT
SWEEP

(x3) M8x25 HEX BOLT
M8 SPRING WASHER
M8 PLAIN WASHER
M8 FIBRE WASHER
(SUPPLIED)

M20 BLANKING
PLUG (SUPPLIED)

MOUNTING
BASE

M20 CABLE GLAND
(NOT SUPPLIED)

Ø 125
MOUNTING BASE

Ø 10 (x4)
ON 101.6 (4 INCH) PCD

Centurion Bracketry
Wall Bracket
Weight: 1.2kg

238

Ø 125

4x M8 TAPPED HOLES
ON 101.6 (4") PCD
FOR FIXING TO PREDATOR

4x 19 x 9 SLOTED HOLES
ON 101.6 PCD
FOR FIXING TO WALL
OR CORNER BRACKET

300

50

Ø 125

Corner Bracket
Weight: 2.2kg

222.8

84.2

22

140

281.4

70

4x M8 THREADED STUDS
ON 101.6 PCD FOR FIXING
TO PREDATOR WALL
BRACKET

CORNER
OF WALL

4x (5.5 x 10.5) SLOTTED HOLES
ON EACH SIDE
FOR FIXING TO WALL

Ø 20

100

130

Pole Mount Adapter (PMA)
Weight: 1kg

Ø60

OD Ø125

4x M8 HOLES
ON 101.6 PCD
(FIX PREDATOR USING
4x M8x20 HEX HEAD S/S BOLTS
4x M8 SPLIT WASHERS S/S)

FIX PREDATOR
TO THIS
SURFACE

73

M20x1.5P

4x Ø10 HOLES
ON 101.6 PCD
(USE M8 BOLTS FOR
FIXING TO POLE)

FIX THIS
SURFACE
TO POLE

M20x1.5P

Pole Mount Bracket (PMB)
Weight: 2.5kg

125.0

149.4

85.3

21.0

STRAPS SUPPLIED SUIT
POLE Ø184 TO Ø216

20.0

4x M8 STUDS
ON 101.6 PCD

Ø20.3
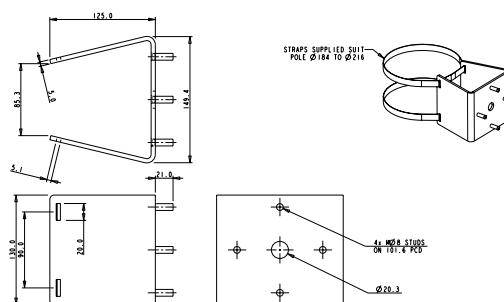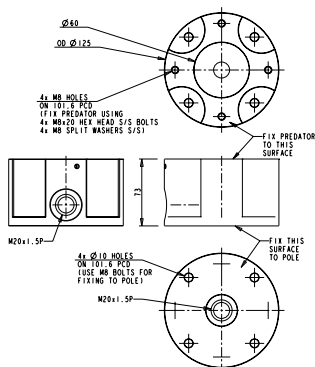
PRODUCT SPECIFICATION	30x HD	20x HD	30x HD ENHANCED LOW LIGHT
Colour/Mono	Yes	Yes	Yes
Imager (CMOS)	1/2.8-type Exmor	1/2.8-type Exmor R	1/2.8-type Exmor R
Zoom - Optical + Digital	30x, 12x	20x, 12x	30x, 12x
Zoom - Total	360x	240x	360x
Pixels	Approx 2.38 Megapixels	Approx 2.14 Meagpixels	Approx 2.13 Megapixels
Horizontal view angle	2.3°(T) - 63.7°(W)	3.3°(T) - 59.5°(W)	2.3°(T) - 63.7°(W)
Lens Size	4.3 - 129mm	4.7 - 94mm	4.3 - 129mm
Min Sensitivity - colour	0.1 Lux	0.1 Lux	0.0013 Lux
Min Sensitivity - mono Int	0.013 Lux	0.008 Lux	0.0008 Lux
Signal Noise Ratio	>50dB	>50dB	>50dB
Picture Flip	Yes	Yes	Yes
Picture Freeze	Yes	Yes	Yes
PRODUCT FEATURES	ALL Centurion units have the following functions		
Focus/Iris	Auto/Manual		
Presets	101		
Tours	4 (max 90 presets per tour)		
Learned Patrols	4 mimic tours - up to 10 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, 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		
Operating temperature	-30°C to +60°C		
Power	24vac/30vdc		
Mounting options	Wall, Corner, Pole and Soffit		
Certification	IP67		
SIRIUS ILLUMINATION	IR & WHITE LIGHT (Nominal)		
IR80	IR 80 metres		
IR110WL	IR 110 metres, WL 110 metres		
WEIGHTS			
Centurion (HMA No lamps)	8.5kg		
Centurion (HMA with lamp)	9kg		
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		
Standard Paint Options	RAL		
Black	9005		
White	9003		

DESIGNED AND MANUFACTURED IN THE UK