

Products

- CCTV
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Markets

- Marine
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- Parking
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Marine PTZ Camera - Marine Paint Finish

PTZ

PSOA3Z30XI68

The PSOA-3Z30-XI68 marine paint finish rugged, ball PTZ cameras are designed for tough, outdoor, surveillance applications. The die-cast aluminium body is anodised before being powder coated, making the camera environmentally tough and resistant to malicious attack or vandalism. All moving parts are designed to last; from its long-life, silicon wiper through to the motor technology used in its pan and tilt mechanism and its 30x optical zoom camera. MTBF is 7 years.

The External Compact Marine PTZ Camera offers an ultra-rugged, marine 3MP IP colour Pan, Tilt & Zoom CCTV camera with integrated pedestal assembly, PoE++ power option or local junction box and interface cable assembly. The PTZ camera is ideally suited to both external monitoring and situational awareness above decks on commercial & naval ships, as well as the limited lighting conditions found in the ship engineering spaces below decks.

The camera is designed using the latest technology in intelligent imaging and video streaming and uses an advanced 1/2.8" STARVIS CMOS sensor with Wide Dynamic Range (WDR) and exceptional low light performance. It produces four simultaneous video streams up to 3MP (2048x1536pixels) resolution at 25fps, in a choice of H.265, H.264 and MJPEG compression formats. ONVIF compliance ensures seamless integration with other compliant networks and Video Management Software (VMS).

The camera offers 30x optical zoom, with 16x digital zoom and ultra-low light sensitivity of 0.01 Lux in colour day mode, as well as auto ICR switching to night mode for extended ultra low light (0.0001 Lux) sensitivity with monochrome imaging. Smart, auto adapting, white light and near IR illuminator options are also available. The camera features a flat, optically-correct, toughened polycarbonate window for image clarity and includes an integrated wiper with long-life silicone blade.

Its Marine Paint finish designed to give enhanced corrosion resistance of aluminium and mild steel. The gloss finish is an ultra-durable coating conforming to the requirements of EN 1220...



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Features

- UK design and manufacture
- UK service and support
- Ultra-tough rugged PTZ camera
- IP68
- Smart IR, White Light and Dual light options
- Rugged mounting bracket options
- Custom colour options
- 1/2.8" CMOS 3MP low-light sensor with 30x optical zoom.
- Silicon, long-life wiper and washer options
- ONVIF Profiles S, G and Q compliant
- Brushless stepper motors for resilience
- Intelligent, auto-PTZ tracking
- SD Card 'edge' recording option
- PoE++ option

Technical Specifications

PSOA3Z30XI68

Sensor	3MP 1/ 2.8" CMOS
Resolution	3MP
Pixels	2048 1536
Sensitivity	Colour 0.01lx @ F1.2; Mono 0.0001lx @ F1.2
Optical Lens	Motorised x30 zoom 4.5-135mm
Horizontal viewing angle	HFOV 59.9-2.3 degrees
IR Illumination range	IR – 300m; White light – 250m
Wide Dynamic Range	120dB
Analytics	Perimeter, line crossing, loitering, objects left/removed
Video compression	H264, H265, MJPEG ONVIF S, G, Q
Bitrate	100kbps to 12Mbps
Alarms	4 in; 2 out
Pre-sets	400 preset positions
Pre-set tours	12 tours
Ethernet	Ethernet RJ-45(10/100/1000Base-T)
Power supply	24vdc PoE 802.3bt or PoE ++ or 100-240VAC
Power consumption	50W no LED;90W LED
Impact protection	IK10

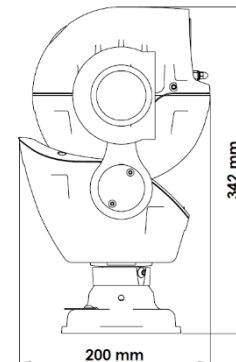
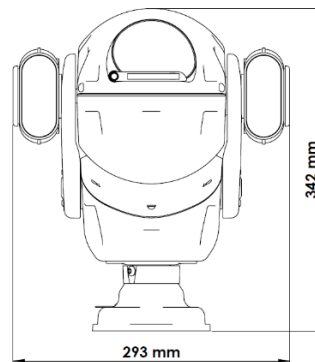
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Corrosion testing	EN 50556:2011, clauses 6.3.2 & 11 EN 60068-2-64-2008 Test Fh (Designed to) MIL-STD-167-1A, Type 1, Shipboard, 4 to 33Hz
Ingress protection	IP68
European/US/EMC	EN 55032:2015 EN 55035:2017 Class A
Material	Camera: anodised aluminium, marine anti-corrosion powder coating, RAL 7035 light grey, c/w galvanic isolation kit; Bracket: painted steel Junction Box: 316L stainless steel, electropolished; Cable: LSZH insulation
Operating temp	-40 to +70 deg C (white or grey paint finish)
Relative humidity	95% humidity, IEC 60068-2-30
Weight (kg)	5.2kg without lamps; 5.8kg with lamps
Dimensions - external (mm)	191W x 342H
Mounting options	Wall hanging, fixed bracket , pedestal base
Salt fog resistance/Salt mist	ASTM B117 1000hr salt-spray
Shock	30g, 25ms, shock handling test Structured Shock Drop Test, 327g peak, 8ms pulse (remains captive, non operational)
MTBF	61,320 hours



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