

Products

- CCTV
- Access Control
- ANPR
- Visitor Management
- Panic Alarm Systems
- Interview Recording

Markets

- Marine
- Oil & Gas
- Law Enforcement
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Marine PTZ Camera - Stainless Steel - DNV Type Approval

PTZ

PSOS3Z30XI68

The PSOS-3Z30-XI68 External Compact Marine PTZ Camera offers an ultra-rugged, DNV GL Type Approved, 3MP IP colour Pan, Tilt & Zoom CCTV camera with integrated pedestal assembly, PoE++ power option or local junction box and interface cable assembly. The rugged PTZ camera is ideally suited to external monitoring and situational awareness above decks for a wide variety of marine and naval applications.

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 three video streams up to 3MP (2048 x 1536 pixels) 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. IR detection distances exceed 300m at night. Smart, auto adapting, white light and near IR illuminator options are also available. It features a flat, optically-correct, toughened polycarbonate window for image clarity and includes an integrated wiper with long-life silicone blade.

The camera and integrated pedestal are housed in electropolished 316L stainless steel to provide a high degree of protection from the ship environment in which it needs to operate. Power options are PoE++ (60W/90W) or ship's power via local junction box. The highly ruggedized marine PTZ camera has been fully qualified to the extensive DNV GL Marine Type Approval criteria.

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. All the pan, tilt and wiper mechanisms and shafts are built from marine grade stainless steel, increasing corrosion resistance, toughness and durability. They are suitable for ships, oil rigs, seaports and terminals, and coastal locations. MTBF is 7 years.



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Features

- UK design and manufacture
- UK service and support
- Ultra-tough, Electropolished 316 Stainless Steel rugged PTZ camera
- IP68
- PoE 90W (802.3bt) or PoE ++
- Adaptive White Light and IR (zoom-linked) operation
- Intelligent, Auto- PTZ Tracking
- Rugged Mounting Bracket Options
- Brushless Stepper Motors for Resilience and durability
- ONVIF Compliant
- SD Card recording option, up to 256GB
- DNV Type Approval

Technical Specifications

PSOS3Z30XI68

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|--------------------------|---|
| 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 |
| Pan range | 360 degrees |
| Pan speed | 49deg/sec |
| 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 |

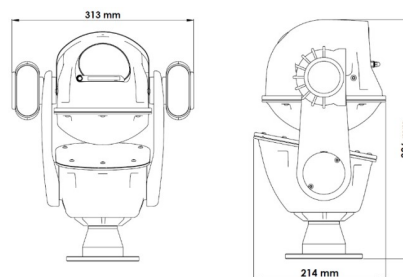
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| | |
|-------------------------------|--|
| Corrosion testing | TEN 50556:2011; EN 60068-2-64-2008 |
| Vibration testing | IEC 61068-2-6 test Fc, 1mm peak 2 to 13.2Hz, 0.7g 13.2 to 100Hz |
| Ingress protection | IP68 |
| European/US/EMC | EN 55032:2015 EN 55035:2017 Class A EN60945 & IACS E10, CE, ROHS, LVD; IEC 61000 – immunity; CISPR 16 - emissions |
| Marine | DNV Type Approval |
| Material | Stainless steel |
| Operating temp | -40 to +70 deg C (white or grey paint finish) |
| Relative humidity | 100% IEC60068-2-1 |
| Weight (kg) | 14kg without lamps; 18kg with lamps. |
| Dimensions - external (mm) | 313W x 386H x 214D |
| Mounting options | Wall hanging, fixed bracket , pedestal base |
| Salt fog resistance/Salt mist | ASTM B117 1000hr salt-spray; IEC 61068-2-52 test Kb, 28 days duration |
| 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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