



NJORD
DNV PTZ CAMERA

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External Compact DNV PTZ Camera

0527-6013

Benefits

- 4Megapixel > HD resolution
- 30x optical / 16x digital zoom
- Ultra Power over Ethernet (PoE++)
- DNV Marine Type Approved
- Rugged IP68 electropolished 316L stainless steel housing & integrated wiper

Applications

- Commercial Vessels
- Naval Surface Ships
- Oil & Gas Installations
- Renewable Platforms

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External Compact DNV PTZ Camera



Performance, Electrical & Network

Sensor Type	1/2.8" progressive scan CMOS, 4 Megapixels effective
Resolution	Up to 2592x1520 (4MP) @ 30fps, also 1920x1080 @ 30fps (full 1080p HD)
Sensitivity	Colour: 0.01Lux (F1.6); Monochrome: 0.001Lux (F1.6) (AGC On)
Video Compression	H.265, H.264, MJPEG
Video Streaming	3 simultaneous streams + service stream
Zoom	Optical 30x, 5.3mm to 159mm / Digital 16x
Iris Control & Focus	IC = Auto, F = Auto / Manual
Horizontal FOV in air	55° (wide) to 2.3° (tele)
Presets/tours	400 preset positions / 12 tours
Network interface	10/100Mbps Ethernet, ONVIF support & Milestone XProtect® compatible
Security	Base-64 authentication, HTTPS (SSL), 802.1x, IP Address Filtering
Protocols	IPv4, HTTP, HTTPS, 802.1x, TCP, UDP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, SNMP, DNS, UPnP, FTP, ICMP, IGMP, Unicast/ Multicast
Edge Storage (optional)	128GB
Power	PoE++ (IEEE 802.3bt) 60W for standard camera, 90W required for illuminator options AC Power Option 100-240Vac, 50/60 Hz, 50W max to Junction Box
DORI (Detection, Observation, Recognition, Identification)	D= 25px/m – 3100metres, O= 63px/m – 1250metres, R= 125px/m – 324metres, I= 250px/m – 312metres
Analytics	Intelligent Motion Tracking, Perimeter, Virtual Fences, Objects Left/Removed, Event Notification, Video Overlay

Environmental

Approvals	DNV Marine Type Approval to EN 60945 & IACS E10, CE, ROHS, LVD
Housing	IP68, NEMA 4x, includes sunshield, heater and fan
Temperature / Humidity	Low: -40°C, IEC 60068-2-1 including cold starts Damp Heat/Humidity: +57°C / 100% humidity, IEC 60068-2-30 Dry Heat: +70°C, IEC 60068-2-2; Storage: -40°C to +70°C, IEC 60068-2-1
Vibration	IEC 61068-2-6 test Fc, 1mm peak 2 to 13.2Hz, 0.7g 13.2 to 100Hz
Shock	30g, 25ms, shock handling test Structured Shock Drop Test, 327g peak, 8ms pulse (remains captive, nonoperational)
Salt Mist	IEC 61068-2-52 test Kb, 28 days duration
EMI	IEC 61000 – immunity; CISPR 16 – emissions

Mechanical

Dimensions	Camera: Ø313.4mm x 394.5mm (H), with illuminators/excluding bracket; Ø226mm x 394.5mm (H), excluding bracket & illuminators; Pedestal Bracket: Ø125 x 120mm (H); Junction Box: 365mm x 267mm x 93mm; Cable (camera to JB): 5 m long
Materials & Finish	Camera, Bracket & Junction Box: Marine grade electropolished 316L stainless steel; Cable: Low Smoke Zero Halogen (LSZH) insulation; Wiper c/w long life silicone blade
Weight	Camera: 16.5Kg no lamps / 17.5Kg with lamps / Junction Box: 5.5Kg / Bracket: 1Kg
Installation	Camera/Pedestal: 4 x M8 A4 stainless steel fixings on 101.6mm (4") PCD; Junction Box: 4 x M6 A4 st/st fixings, 235mm (9¼") x 260mm (10¼") CTRS
Connector, Camera	PoE++ option: Amphenol RCP-00BMMS-SLM7001; AC power option: Amphenol 30C00610012
Window Material	Polycarbonate, optically flat, 4mm thick
MTBF	61,320 hours

Pan & Tilt Coverage

Pan Range / Speed	360° continuous / 49°/sec max
Tilt Range / Speed	-60° to +90° upright / +60° to -90° hanging down / 37°/sec max

Options

IR illuminator (850nm)	Range up to 300m, adapts beam width to suit camera zoom
Dual IR & White Light illuminator	Range up to 250m, adapts beam width to suit camera zoom

Specification subject to change without any further notice