

External Compact DNV PTZ Camera



NJORD

DNV PTZ CAMERA

**MARINE TYPE
APPROVED STAINLESS
STEEL 4MP
PAN/TILT/ZOOM
CAMERA 0527-6013**

- 4Megapixel > HD resolution
- Low Light / 0.01 Lux sensitivity colour
- H.265 compression / ONVIF compliant
- DNV Marine Type Approved
- Rugged IP67 electropolished 316L stainless steel housing & integrated wiper
- 30x optical / 16x digital zoom
- Smart IR & white light illuminator options
- PoE++ option

The Imenco NJORD 0527-6013 External Compact Marine PTZ Camera offers an ultra-rugged, DNV Type Approved, 4MP 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.

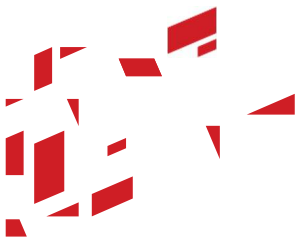
The camera is designed using the latest technology in intelligent imaging and video streaming and uses an advanced 1/2.8" STARVIS CMOS sensor with Wide Dynamic Range (WDR) and exceptional low light performance. It produces three video streams up to 4MP (2592 x 1520 pixels) resolution at 30fps, in a choice of H.265, H.264 and MJPEG compression formats. ONVIF compliance ensures seamless integration with other compliant networks and Video Management Software (VMS).

The Imenco NJORD 0527-6013 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 (0.001 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.

The camera and integrated pedestal are housed in electropolished 316L stainless steel to provide a large degree of protection from the ship environment in which it needs to operate in. 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 Marine Type Approval criteria.

For further information, email
systems.uk@imenco.com

imenco
SMART SOLUTIONS



Applications

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

External Compact DNV PTZ Camera

Technical Specifications

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: 0.001 Lux (F1.6) (AGC On)
Video Compression	H.265, H.264, MJPEG
Video Streaming	Up to 3 simultaneous streams + service stream
Zoom	Optical 30x, 5.3mm to 159mm / Digital 16x
Iris Control	Auto
Focus	Auto / manual
Horizontal FOV in air	55° (wide) to 2.3° (tele)
Wide Dynamic Range	Yes, 120dB
Presets/tours	400 preset positions / 12 tours
Networking	10/100 Mbps Ethernet, ONVIF support & Milestone XProtect® compatible
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
Environmental	
Approvals	DNV Marine Type Approval to EN 60945 & IACS E10, CE, ROHS, LVD
Housing	IP67 and IP66, 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 316L stainless steel, electropolished Cable: Low Smoke Zero Halogen (LSZH) insulation
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	Optically flat, polycarbonate, 4mm thick
Wiper	Yes, c/w long life silicone blade
MTBF	61,320 hours
Pan & Tilt Coverage	
Pan Range / Speed	360° continuous / 49°/sec max
Tilt Range	-60° to +90° upright / +60° to -90° hanging down
Tilt Speed	37°/sec max
Options	
IR illuminator	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

0527-6013_Datasheet_RevK

Specification subject to change without any further notice

For further information, email
systems.uk@imenco.com

