

External Compact Naval PTZ Camera



**RUGGED STAINLESS STEEL
NAVAL 4MP PAN/TILT/
ZOOM CAMERA
0527-6010**

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

The Imenco ODIN 0527-6010 External Compact Naval PTZ Camera offers an ultra-rugged, naval 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 both external monitoring and situational awareness above decks on naval ships, whilst also being particularly well suited for flight deck surveillance.

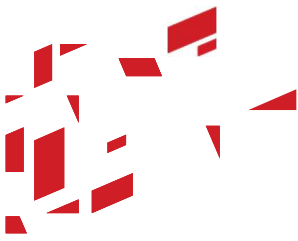
The camera is designed using the latest technology in intelligent imaging and video streaming and uses an advanced 1/2.8" STARVIS CMOS sensor with Wide Dynamic Range (WDR) and exceptional low light performance. It produces three video streams up to 4MP (2592 x 1520 pixels) resolution at 30fps, in a choice 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 0527-6010 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 painted 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 camera has been qualified to meet the stringent US Navy requirements of MIL-S-901E 'Hammer' shock test, MIL-S-167-1A ship vibration, MIL-S-810G environmental & MIL-S-461G EMI for surface ships.

For further information, email
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SMART SOLUTIONS



Applications

- Naval Surface Ships
- High Shock Survivability
- Situational Awareness
- Waterline Security

External Compact Naval 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
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
Power	PoE++ (IEEE 802.3bt) 60W for standard camera, 90W required for illuminator options AC Power Option 100-240Vac, 50/60 Hz, 90W max to Junction Box
Environmental	
Approvals	CE, ROHS, LVD
Housing	IP67, weather proof, includes sunshield, heater and fan
Temperature	Operating Low: -40°C, MIL-STD-810G Method 502.5 Operating High: +71°C, MIL-STD-810G Method 501.5 Storage: -40°C to +70°C, MIL-STD-810G Method 502.5 / 501.5
Humidity	+60°C/95% RH MIL-STD-810G Method 507.5
Salt fog	+35°C/95% RH salt concentration 5% MIL-STD-810G Method 509.5
Shock	MIL-DTL-901E, Grade B, Class 1, Type A
Vibration	MIL-STD-167-1A, Type 1, Shipboard, 4 to 33Hz
EMI	MIL-STD-461G, Above Decks Surface Ships Limits
Mechanical	
Dimensions	Camera: Ø313.4mm x 493mm (H), c/w illuminators, sunshield & pedestal bracket Camera: Ø226mm x 387mm (H), c/w sunshield, excluding illuminators & pedestal bracket Junction Box: 366mm x 268mm x 95mm / Cable (camera to JB): 5 m long
Materials & Finish	Camera: 316L stainless steel, painted epoxy primer & 2 coats poly semi-gloss to FED-STD-595, colour 26270 (USN Gray, other colours available); Junction Box: 316L stainless steel, same paint finish as camera; Cable: Low Smoke Zero Halogen (LSZH) insulation
Weight	Camera (including illuminators): 17.5Kg / Pedestal Bracket: 3Kg / Junction Box: 5.5Kg
Installation	Camera/Pedestal: 4 x M12 A4 stainless steel fixings on 120.65mm (4¾") PCD Junction Box: 4 x M8 A4 st/st fixings, 235mm (9¼") x 260mm (10¼") CTRS
Connector	Camera: stainless steel D38999/20KE99PN; Junction Box: sealed glands
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° in standard upright config / +60° to -90° in hanging config
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

Specification subject to change without any further notice

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