



# External Compact Naval PTZ Camera

## RUGGED STAINLESS STEEL NAVAL 3MP PAN/TILT/ZOOM CAMERA – 0527-6010

3Megapixel > 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

400 pre-sets / 12 tours

The Imenco ODIN 0527-6010 External Compact Naval PTZ Camera offers an ultra-rugged, naval 3MP IP colour Pan, Tilt & Zoom CCTV camera with integrated pedestal assembly, 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 3MP (2048 x 1536 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 (0.0001 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. 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. A 5-metre interface cable and local stainless steel junction box are also included.

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.

Contact us for additional information or to get a quotation. Send an e-mail to [systems.uk@imenco.com](mailto:systems.uk@imenco.com) or find personal contact info on our website.

**imenco.com**

**MARINE** **CCTV** **RANGE**  
BY IMENCO

**0527-6010**

## TECHNICAL SPECIFICATIONS

Performance, Electrical & Network	
Sensor Type	1/2.8" Low Light CMOS, 3 Megapixels effective, true ICR
Resolution	Up to 2048X1536 (3MP) @ 30fps, also 1920x1080 @ 30fps (full 1080p HD)
Sensitivity	Colour: 0.01Lux (F1.2); Monochrome: 0.0001 Lux (F1.2) (AGC On)
Video Compression	H.265, H.264, MJPEG
Video Streaming	Up to 3 simultaneous streams + service stream
Zoom	Optical 30x, 4.5mm to 135mm / Digital 16x
Iris Control	Auto
Focus	Auto / manual
Horizontal FOV in air	59.8° (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	100-240Vac, 50/60 Hz, 90W max.
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 479mm (H), c/w illuminators, sunshield & pedestal bracket Junction Box: 365mm x 267mm x 93mm / 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 26480 (Shipside Grey, 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 / +10° 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

0527-6010\_Datasheet\_RevK