

# External Compact Marine PTZ Camera



## LOKI

MARINE PTZ CAMERA

**RUGGED MARINE  
NAVAL 4MP  
PAN/TILT/ZOOM  
CAMERA  
0527-6012**

- 4Megapixel > HD resolution
- Low Light / 0.01 Lux sensitivity colour
- H.265 compression / ONVIF compliant
- Painted & anodised aluminium c/w galvanic isolation kit
- Rugged IP67 / IK10 housing & integrated wiper
- 30x optical / 16x digital zoom
- Smart IR & white light illuminator options
- PoE++ option

The Imenco LOKI 0527-6012 External Compact Marine PTZ Camera offers an ultra-rugged, marine 4MP IP colour Pan, Tilt & Zoom CCTV camera with integrated pedestal assembly, PoE++ power option, or local junction box and interface cable assembly. The PTZ camera is ideally suited to both external monitoring and situational awareness above decks on commercial & naval ships, as well as the limited lighting conditions found in the ship engineering spaces below decks.

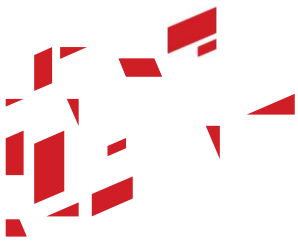
The camera is designed using the latest technology in intelligent imaging and video streaming and uses an advanced 1/2.8" STARVIS CMOS sensor with Wide Dynamic Range (WDR) and exceptional low light performance. It produces four simultaneous video streams up to 4MP (2592x1520pixels) resolution at 30fps, 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 LOKI 0527-6012 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 rugged IP67 camera is housed in anodised and marine light grey powder coated aluminium, including a galvanic isolation kit and marine painted steel mounting bracket options to further combat corrosion caused by electrolysis. Power options are PoE++ (60W/90W) or ship's power via local junction box. The camera has been designed to meet naval military levels of shock & vibration and also meets the rigorous IK10 impact testing.

For further information, email  
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## Applications

- Commercial Vessels
- Naval Surface Ships
- High Shock Survivability
- Situational Awareness

## External Compact Marine 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: 0.001Lux (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	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	CE, RoHS, LVD
Housing	IP67 weatherproof, IK10 impact, includes heater and fan (sunshield optional)
Temperature / Humidity	Low: -40°C, IEC 60068-2-1 including cold starts Damp Heat/Humidity: +55°C / 95% humidity, IEC 60068-2-30 Dry Heat: +70°C, IEC 60068-2-2; Storage: -40°C to +70°C, IEC 60068-2-1
Vibration	EN 50556:2011, clauses 6.3.2 & 11 EN 60068-2-64-2008 Test Fh (Designed to) MIL-STD-167-1A, Type 1, Shipboard, 4 to 33Hz
Shock	Handling test, 30g, 25ms; drop test, 280g peak, 8ms pulse (remains captive, nonoperational)
Salt Mist	ASTM B117, 1,000 hours salt spray test
EMI	CE marking, BS EN 55032:2015 and BS EN 55035:2017 Class A
Mechanical	
Dimensions	Camera: 191 (W) x 200 (D) x 342 (H) mm, excluding bracket (no illuminators) Camera: 293 (W) x 200 (D) x 342 (H) mm, excluding bracket (with illuminators) Pedestal Bracket: Ø125 x 120mm (H); Junction Box: 365mm x 267mm x 93mm Cable (camera to local JB): 5m long
Materials & Finish	Camera: anodised aluminum, marine anti-corrosion powder coating, RAL 7035 light grey, c/w galvanic isolation kit; Bracket: painted steel Junction Box: 316L stainless steel, electropolished; Cable: LSZH insulation
Weight	Camera: 5.2Kg no lamps / 5.8Kg with lamps / Junction Box: 5.5Kg / Bracket: 1Kg
Installation	Camera / Bracket: 4 x M8 A4 st/st fixings on 101.6mm (4") PCD
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 / 160°/sec max
Tilt Range / Speed	-60° to +90° upright / +60° to -90° hanging down / 90°/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

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