External/Internal Marine 360° Fixed Camera

360° MARINE FISHEYE HIGH RESOLUTION POE+ CAMERA 0482-6052

- ePTZ for data efficiency
- 12 Megapixel CMOS sensor
- 360° imaging technology / no moving parts
- 3x simultaneous streams
- Power over Ethernet+ (PoE+) compatible
- IR illumination & Audio
- 180° Panoramic view
- 360° Surround view
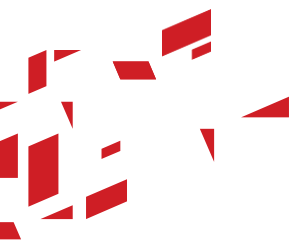- Robust IP67 / IP66 / IK10 rated housing
- 316L Stainless Steel Option

The Imenco 0482-6052 external/internal marine 360° fixed CCTV camera is an extremely versatile unit that will allow comprehensive viewing in the most challenging conditions with its 360 degree imaging technology offering total situational awareness. By enabling 12MP high-resolution recording of the entire fisheye / panoramic view, independent of what an operator is doing, images can be processed during playback as if they were live images.

During playback, images can be de-warped and virtual cameras can be generated enabling the viewer to pan, tilt and zoom (ePTZ) around the entire scene. The Imenco 0482-6052 camera also features super Wide Dynamic Range of 120dB and excellent low light performance.

Equipped with a fisheye lens for 180° panoramic view (wall mount), or 360° surround view (ceiling mount), this highly flexible camera is ONVIF compliant, Power over Ethernet+ (PoE+) capable and can be easily integrated into standard IP network based systems.

The unit offers full live and retrospective de-warping as well as 12x digital zoom capability through client side de-warping. It supports H.265 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. With H.265, H.264 & MJPEG compatibility included, multiple streams can be simultaneously transmitted in any of these formats at different resolutions, frame rates, and image qualities for versatile platforms.

Two options of this versatile camera are available; both external and internal options are fitted with a 3m long CAT5e cable tail and RJ45 plug sealed within an IP68 Tee Tube in-line connection; whilst the 0482-6052-ST external option is further ruggedized with a 316L electropolished stainless steel housing.

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

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Applications

- Situational Awareness
- Commercial Vessels
- Naval Surface Ships
- Offshore Platforms

External/Internal Marine 360° Fixed Camera

Technical Specifications

Performance, Electrical & Network	
Resolution	Sensor up to 2944 x 2944, 12MP
Scene Illumination	0.1Lux @ F2.0 colour day mode / 0.005 Lux @ F2.0 monochrome night mode
Sensor Type	1/2.3" progressive CMOS
Video Compression	H.265, H.264 and MJPEG
Video Streaming	3 simultaneous streams
Wide Dynamic Range	120dB
Frame Rate	1 to 30fps, 30fps at 2944 x 2944 resolution (WDR off); 20fps at 2944 x 2944 resolution (WDR on)
Digital Zoom	12x digital zoom with client side de-warping software
IR Illuminators	Built in IR illuminators, effective up to 20 metres
Audio	Built-in microphone, effective range 5m; audio compression: G.711, G.276
Networking	10/100 Mbps Ethernet, ONVIF support & Milestone XProtect® compatible
On-board Storage	Micro SD/SDHC/SDXC card slot
Power Input	PoE+ IEEE802.3at Class 4, 22.5W Max IR On / 9.5W Max IR Off
Electro-Magnetic Compatibility	CISPR 22 EN55032, CISPR 24 EN55024, EN62368-1, EN60950-22
Optical	
Standard Lens	180°, F2.0, focal length 1.22mm
Iris Control	Electronic, automatic
Focus	Fixed focal
AOV in air	180° horizontal x 180° vertical x 180° diagonal
Mechanical	
Dimensions	External option "ST" – 190mm (Ø) x 86mm (H), including baseplate Internal option "0002" – 150mm (Ø) x 66mm (H)
Weight	External option "ST" – 3.5Kg Internal option "0002" – 1.1Kg
Standard Housing	External option "ST" – electropolished 316L Stainless Steel, polycarbonate dome Internal option "0002" - powder coated aluminum; polycarbonate dome
Connector/Cable	External option "ST" and Internal option "0002" – In-line IP68 sealed RJ45 Tee Tube coupler on 3m LSZH CAT5e cable tail
Environmental	
Approvals	CE, LVD, FCC
Housing	IP67, IP66, IK10
Temperature Operating	-40°C to +60°C / 95% RH (start-up should be done at above -20°C)
Shock	30g, 25ms duration, shock handling test
Vibration	(Designed to) MIL-STD-167-1A Shipboard, 4 to 33Hz

Specification subject to change without any further notice

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