MARINE CCTV RANGE
BY IMENCO

Applications:

Naval Surface Ships
Commercial Vessels
Detecting Hot Spots & Fires
Industrial Monitoring

Rugged Marine Fixed Thermal Camera

RUGGED FIXED POE THERMAL CAMERA – 0482-6013

LWIR 384 x 288 thermal sensor	ONVIF compliant	In-Service Navy Proven
On-board SD card storage	Power over Ethernet (PoE) compatible	Designed to US MIL Spec

The Imenco 0482-6013 is an ultra-rugged naval marine IP thermal CCTV camera, with an athermalised Long Wave Infra Red (LWIR) lens and is ideally suited to both thermal and night vision observation purposes in ship engineering spaces and above deck locations.

Equipped with an amorphous silicon based microbolometer, high sensitivity (45mK, typical F1.0 lens) thermal sensor, enabling excellent viewing resolutions of 384 x 288 at 25 / 30 fps. The Imenco 0482-6013 is an all-in-one robust and highly reliable camera capable of capturing high quality and medium resolution thermal scenes.

The Imenco rugged compact IP Power over Ethernet (PoE) camera supports the industry-standard H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. With H.264, MPEG-4 and MJPEG compatibility all included, dual streams can be simultaneously transmitted in either of these formats at different resolutions, frame rates, and image qualities for versatile platform integration.

Data and power transmission to the camera is made via a single Cat5e or Cat6 cable which removes the requirement for the installation of additional junction boxes or power supplies. The camera also features a Micro SD card for local on-board storage.

The camera is housed in a machined, anodized and painted marine-grade Aluminium housing to provide a large degree of protection from the ship environment in which it needs to operate in. A stainless-steel bulkhead mounting bracket (part no. 0482-6011) is also available and the whole assembly is designed for ease of installation.

The camera has been fully qualified to meet the stringent US Navy Grade A requirements of MIL-STD-901D 'Hammer' shock test, MIL-STD-167-1A shipboard vibration and MIL-STD-461E EMI for surface ships.

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

imenco.com

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0482-6013

TECHNICAL SPECIFICATIONS

Performance, Electrical & Network	
Sensor Resolution	384 (H) x 288 (V) (25fps / CCIR (PAL)) 320 (H) x 240 (V) (30fps / EIA (NTSC))
Sensor Type	Amorphous-silicon based focal plane, 25um pitch
Sensor Sensitivity	45mK (typical F1.0)
Sensor Spectral Response	8 µm to 14 µm (Long Wave Infra Red)
Video Compression	H.264, MPEG-4 and MJPEG
Video Streaming	Simultaneous dual streams
Frame Rate	Up to 30 fps at 320 x 240, or 25 fps at 384 x 288
Networking	10/100 Mbps Ethernet, ONVIF support, Milestone XProtect® compatible
On-board Storage	Micro SD/SDHC card slot (4GB fitted)
Power Input	Power over Ethernet (PoE) (IEEE802.3af Class 0), 8W Max
Electro-Magnetic Compatibility	MIL-STD-461E, Surface Ships
Optical	
Standard Lens	8.5mm, F/1.2 athermalised
Focus	Fixed 1.2m to infinity
Angle of View in Air	64° Horizontal x 44° Vertical (CCIR), 54° Horizontal x 39° Vertical (EIA)
Mechanical	
Diameter	74 mm (excl. connector)
Length	174 mm (excl. bulkhead mounting bracket)
Weight	1.1Kg camera (3Kg bulkhead mounting bracket & tapping pad)
Standard Housing	Aluminium alloy 6082T6 to BS1470, clear anodized and painted grey FED-STD-595 #26307 polyester powder semi-gloss paint top coat
Window	Germanium 3mm thick, Anti-Reflection coated
Connector Type	D38999/20WB35PN
Environmental	
Housing	IP67 (1m immersion)
Temperature	MIL-STD-810F Operating: -32°C to +57°C / 95% RH, Storage: -40°C to +70°C
Vibration	MIL-STD-167-1A Shipboard, 4 to 33Hz
Shock	MIL-S-901D, Grade A, Class 1, Type A
Salt Fog	MIL-STD-810F, Method 509.4

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