

DHOSS Fixed Ultra Low Light Zoom Camera



**DHOSS – FIXED HD
ULTRA LOW LIGHT
COLOUR/MONO
ZOOM CAMERA
0550-6012-0100**

- 36x Zoom HD Visible Sensor
- Ultra Low Light Mono Mode (0.00008 lux)
- ONVIF Compliant
- Highly Ruggedised for Extreme Maritime Environments
- Demisting Window Heater
- Power over Ethernet + (PoE+)
- Cyber Approved / NDAA Compliant
- Qualified to US Navy MIL SPEC
- Hydrophilic Window Option

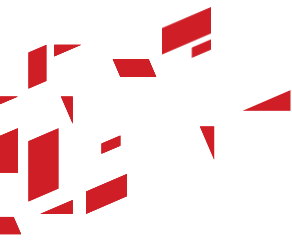
Introducing the Imenco 0550-6012-0100 DHOSS Fixed Ultra Low Light Zoom Camera, a robust surveillance solution tailored for naval maritime & flight deck operations. Taken from the new Digital Helicopter Operations Surveillance System (DHOSS) range, this advanced camera features a High-Definition visible sensor with 36x optical zoom, ensuring precise visual reconnaissance. In challenging low-light conditions, the colour camera seamlessly switches to an ultra-low light monochrome mode with exceptional sensitivity, capturing clear imagery even in near total darkness.

Designed to meet arduous US MIL-SPECs, the DHOSS fixed camera is built to withstand the most demanding naval environments. The highly ruggedized camera includes a heated borofloat glass port capable of demisting in cold conditions and an advanced hydrophilic film option that prevents the build of water droplets, without the added complexity of a wiper. A robust manually adjustable stainless-steel bracket, suitable for deck, bulkhead, and overhead installs, is also included.

The DHOSS fixed camera is ONVIF compliant, allowing seamless integration with third-party Video Management Software. For naval surface ship platforms, the DHOSS Fixed Ultra Low Light Zoom Camera is typically installed above decks overlooking the flight deck, or well deck, to allow secure and safe monitoring of critical operations, day and night.

The Imenco 0550-6012-0100 DHOSS Fixed Ultra Low Light Zoom Camera is a Fit and Function upgrade replacement for the original, in-service US Navy proven, 0465-6003 HOSS ALLSS Fixed Ultra Low Light Mono Camera Station.

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



Applications

- Flight Deck Surveillance
- Helicopter Operations
- Naval Surface Ships
- Waterline Security

DHOSS Fixed Ultra Low Light Zoom Camera

Technical Specifications

Performance, Electrical & Network	
Sensor Type	1/2.0" progressive scan CMOS
Resolution	1920x1080 @ 60fps max
Sensitivity	Colour: 0.005 Lux / Mono: 0.00008 Lux (1/30sec 30IRE)
Video Compression	H.265, H.264, MJPEG
Video Streaming	Up to 4 simultaneous streams
AI & Video Analytics	Object detection, object tracking, motion detection
Connectivity	ONVIF Profile S and T / 100/1000BASE-T / Milestone XProtect® compatible
Protocols	IPv4, UDP, TCP, HTTP, HTTPS, RTP, RTCP
Power	Power over Ethernet+ (PoE+) (IEEE802.3at Class 4), 25.5W Max
Optical	
Zoom	Optical 36x / Digital 8x
Focal Length/Aperture	f = 6 to 216mm, F1.5 to F4.8
Focus	Auto / Manual
FOV in air	Horizontal: 58.2° (wide) to 1.6° (tele) / Vertical: 33.9° (wide) to 0.94° (tele)
Mechanical	
Dimensions	225mm H x 219mm W x 195mm D, including bracket & sunshield, excluding mating connector
Materials & Finish	Camera: Aluminium Alloy 6082-T6 anodised & painted to FED-STD-595, color no. 26270 Bracket: 316 Stainless Steel painted to FED-STD-595, color no. 26270
Weight	Camera: 3.5Kg, Bracket: 2.2Kg
Installation Info	Camera mating connector & right angled backshell are supplied with camera, to suit CAT5/6/7 ship's cable with \varnothing7.6mm, with outer jacket removed and shield terminated on backshell. Installer to terminate ship's CAT5/6/7 cable to Imenco supplied mating connector & right angled backshell during installation. Installer to provide 4 off 3/8"-16UNC fasteners, A4-80 grade stainless steel, with spring & plain washers, for camera/bracket install.
Connector	Amphenol Socapex D38999, RJFTV6A2SA1S, Stainless Steel
Window Material	Visible Camera: Borofloat glass/ITO coating; -F option for Hydrophilic Film
Environmental & EMI	
Housing	IP67, weatherproof, includes sunshield and window heater
Temperature	Operating: -25°C to +65°C / Storage: -40°C to +70°C, (Designed to) MIL-STD-810G Methods 501.5 & 502.5
Humidity	RH 100% (Designed to) MIL-STD-810G Method 507.6 Aggravated
Rain	Operate when subject to 10cm/hr rain / 50 knots of wind, (Designed to) MIL-STD-810G Method 506.5
Salt Fog	(Designed to) MIL-STD-810G Method 509.5
Wind	(Designed to) Operate: in 95 kph, gusts of 140 kph / Survive without damage: in 185 kph, gusts of 325 kph
Shock	(Designed to) MIL-DTL-901E, Grade B, Class I, Type A
Vibration	(Designed to) MIL-STD-167-1, Type 1, Shipboard
EMI	(Designed to) MIL-STD-461G, Above Decks Surface Ships Limits

Specification subject to change without any further notice

0550-6012-0100_Datasheet_RevA (SUBJECT TO COMPLETION OF FINAL QUALIFICATION TESTING)

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