

HOSS ALLSS Fixed Ultra Low Light Camera



FIXED ULTRA LOW LIGHT MONOCHROME CAMERA STATION 0465-6003

- In-Service Navy Proven
- Ultra Low Light Performance
- 316L Stainless Steel Purged & Painted
- H.264 IP Option – ONVIF compliant
- Fully Qualified to US Mil Spec
- Window Heater

The Imenco 0465-6003 HOSS fixed ultra-low light monochrome CCTV camera station is an extremely robust unit based on a fixed lens version of the navy proven Imenco HOSS zoom camera. Helicopter Operations Surveillance System (HOSS) cameras are used extensively to monitor the safety of aircraft flight deck operations. The above decks camera comprises a high sensitivity, high resolution monochrome CCD sensor coupled to a 6mm, F1.2 fixed focus lens, protected by a sealed, nitrogen purged and painted 316L stainless steel housing.

A thermostatically controlled heated window helps to disperse external condensation. The camera will provide useable images in very low light down to approximately quarter moonlight. The high-performance low light camera station also includes a manually adjustable stainless steel bracket, camera cable assembly and below decks junction box for termination of ships cables. As well as the standard analogue CVBS interface an advanced IP option is also available.

With H.264 and MJPEG compatibility, multiple streams can be simultaneously transmitted in either of these formats at different resolutions, frame rates, and image qualities for versatile platforms. The ONVIF compliant IP camera can easily be integrated into standard IP network-based systems.

The Imenco 0465-6003 HOSS fixed ultra-low light monochrome CCTV camera station has been extensively proven in US Navy service as part of the Amphib Low Light Surveillance System (ALLSS). The camera has been fully qualified to meet the stringent US Navy Grade A requirements of MIL-STD-901D "Hammer" shock test as well as the Above Decks surface ships limits for MIL-STD-416F EMI.

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



Applications

- Naval Surface Ships
- Flight Deck Surveillance
- Helicopter Operations
- Amphibious Well Deck Monitoring

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Technical Specifications

Performance, Electrical & Network	
Resolution	570 TVL/PH (0465-6003); D1 720 x 480 (0465-6003IP)
Sensitivity	0.0003Lux (at sensor, useable picture, full frame rate (30fps))
Scene Illumination	0.0024Lux @ F1.2
Sensor Type	1/2" IL CCD
Video Output	1V p-p Composite Video, 525 lines 60 Hz (RS-170 Mono) (0465-6003 only)
Video Compression	H.264 and MJPEG (0465-6003IP only)
Video Streaming	Multiple simultaneous streams (0465-6003IP only)
Frame Rate	1 to 30fps @ D1 (720 x 480) (0465-6003IP only)
Networking	10/100 Mbps Ethernet, ONVIF support & Milestone XProtect® compatible (0465-6003IP only)
On-board Storage	Micro SD/SDHC/SDXC card slot (0465-6003IP only)
Power Input	115Vac, 8VA normal, 15VA with heater on
Electro-Magnetic Compatibility	MIL-STD-461F, Above Decks surface ships limits
Optical	
Standard Lens	6mm, F1.2
Iris Control	Automatic (galvo)
Focus	Fixed 1.5m to infinity
AOV in air	57° horizontal
Mechanical	
Dimensions	Camera: Ø114mm x 246mm (L, excluding connector) Junction Box: 295mm (L) x 227mm (W) x 111mm (H)
Weight	Camera: 3.7Kg, Bracket: 1.5Kg, Cable: 0.7Kg, Junction Box: 4.5Kg
Standard Housing	Camera: 316L Stainless Steel painted to FED-STD-595, color no. 26270 Junction Box: Sheet steel, powder coated grey ANSI 61 (below decks)
Window	Optically polished Borosilicate, heated
Connector/Cable	Camera: 220-02E14-12PN (Stainless Steel), Junction Box: glands Cable: 220-06E14-12SN with 9.15m (30') LSZH cable tails to junction box (Installed within Glenair Stainless Steel EMI conduit (conduit not included))
Environmental	
Housing	IP67 (camera)
Temperature operating / storage	MIL-STD-810F, -20°C to +50°C 95% RH operating / -30°C to +70°C storage
Shock	MIL-STD-901D, Grade A, Class II
Vibration	MIL-STD-167-1A Shipboard, 4 to 25Hz

0465-6003_Datasheet_RevA

Specification subject to change without any further notice

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