

HOSS ALLSS PTZ Ultra Low Light Camera



PAN, TILT & ZOOM LOW LIGHT MONOCHROME CAMERA STATION 0465-6002

- In-Service Navy Proven
- Ultra Low Light Performance
- Radar Cross Section Reduced (RCSR)
- H.264 IP Option – ONVIF compliant
- Fully Qualified to US Mil Spec
- Window Heater

The Imenco 0465-6002 HOSS PTZ ultra-low light monochrome CCTV camera station makes up the core of the Imenco Helicopter Operations Surveillance System (HOSS) which has built an excellent reputation in providing the bridge with real time CCTV monitoring even in very low light conditions.

The HOSS zoom camera comprises a high sensitivity monochrome CCD video camera coupled to a 10:1 zoom lens, protected by a sealed, nitrogen purged, aluminium housing. A thermostatically controlled heated window helps to disperse external condensation. A Radar Cross Section Reduced (RCSR) shroud is also fitted around the camera as part of the assembly.

The 316 stainless steel pan & tilt unit provides continuous rotate and a $\pm 70^\circ$ tilt range. It also features fully enclosed cable routing to reduce overall footprint and improve safety and reliability. Cable entry can be from the side or fully concealed underneath. 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.

For surface ship applications the HOSS PTZ camera is typically installed above decks overlooking the Heli-deck, or flight deck. A standard camera cable assembly and below decks junction box for termination of ships cables is also included. The HOSS PTZ camera station has been fully qualified to meet the stringent US Navy 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

0465-6002 / 0465-6002IP

Technical Specifications

Performance, Electrical & Network	
Resolution	570 TVL/PH (0465-6002); D1 720 x 480 (0465-6002IP)
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) (0465-6002 only)
Video Compression	H.264 and MJPEG (0465-6002IP only)
Video Streaming	Multiple simultaneous streams (0465-6002IP only)
Frame Rate	1 to 30fps @ D1 (720 x 480) (0465-6002IP only)
Networking	10/100 Mbps Ethernet, ONVIF support & Milestone XProtect® compatible (0465-6002IP only)
On-board Storage	Micro SD/SDHC/SDXC card slot (0465-6002IP only)
Power Input	115Vac, 26VA normal, 74VA peak with heater on
Electro-Magnetic Compatibility	MIL-STD-461F, Above Decks surface ships limits
Optical	
Standard Lens	8 to 80mm, F1.2, 10:1 zoom lens
Iris Control	Automatic
Focus	1.2m to infinity
AOV in air	4.6° to 43.6° horizontal
Mechanical	
Dimensions	Camera/Pan & Tilt/Shroud: 480mm (H) x 522mm (W) x 486mm (D) Junction Box: 571mm (L) x 413mm (W) x 185mm (H)
Weight	Camera: 3.7Kg, Pan & Tilt: 31.5Kg Shroud: 2.8Kg Cable: 2Kg Junction Box: 18Kg
Standard Housing	Camera: 6061-T6 Aluminum painted to FED-STD-595, color no. 26270 Pan & Tilt/Shroud: 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: MS3102R22-14P, Pan & Tilt: MS3452LS24-28P, Junction Box: glands Cable: MS3456LS24-28S with 15.25m (50') LSZH cable tails to junction box (Installed within Glenair Stainless Steel EMI conduit (conduit not included))
Pan & Tilt Coverage	Pan: 360° continuous, Tilt: ±70° from horizontal, analogue/RS-485 control
Environmental	
Housing	IP67 (camera and pan & tilt unit)
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 B, Class II
Vibration	MIL-STD-167-1A Shipboard, 4 to 25Hz

Specification subject to change without any further notice

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