



# DHOSS

## Digital Helicopter Operations Surveillance System Naval Fixed Ultra Low Light Zoom Camera

0550-6012-0100

### Benefits

- 36x Zoom HD Visible Sensor
- Ultra Low Light Mono Mode
- Highly Ruggedised for Extreme Maritime Environments
- Demisting Window Heater
- Designed to meet US Navy MIL SPEC

### Applications

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

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## DHOSS Fixed Ultra Low Light Zoom Camera



### 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
Network Interface	10/100 Mbps Ethernet, ONVIF support & Milestone XProtect® compatible
Security	Basic/Digest authentication, HTTPS, IP address filtering, User access log, TTA certification
Protocols	IPv4, UDP, TCP, HTTP, HTTPS, RTP, RTCP
Power	Power over Ethernet+ (PoE+) (IEEE802.3at Class 4), 25.5W Max
DORI (Detection, Observation, Recognition, Identification)	D= 25px/m – 3100metres, O= 63px/m – 1250metres, R= 125px/m – 324metres, I= 250px/m – 312metres
Analytics	Object detection, Object tracking, Motion detection

### 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 < Ø7.6mm, 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	Borofloat glass/ITO coating; -F option for Hydrophilic Film

### Environmental

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