



Rugged Naval Fixed Thermal Camera

0534-6105

Benefits

- LWIR 640 x 512 12 μ m thermal sensor
- Digital zoom
- Non-ITAR
- Designed to US MIL Spec
- Power over Ethernet+ (PoE+)

Applications

- Naval Surface Ships
- Commercial Vessels
- Detecting Hot Spots & Fires
- Industrial Monitoring
- Water Line Security

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Performance, Electrical & Network

Sensor Resolution	640 (H) x 512 (V)
Sensor Type	Vanadium Oxide based focal plane, 12um pixel pitch
Sensor Sensitivity	<30mK
Sensor Spectral Response	7um to 14um (Long Wave Infra-Red)
Non Uniformity Correction	Automatic, shuttered
Video Compression	H.264 and MJPEG
Video Streaming	Multiple simultaneous streams
Frame Rate	Up to 60 fps at 640 x 512
Network Interface	10/100/1000 Base-T Ethernet, ONVIF support, Milestone XProtect® compatible
Security	Base-64 authentication, HTTPS (SSL), 802.1x,
Protocols	IPv4, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTP, DNS, ARP, TLS/SSL
Power Input	Power over Ethernet+ (PoE+) (IEEE802.3at Class 4), 25.5W Max
Analytics	Isotherms (Available as an option on 50° & 95° HFOV)

Optical

Standard Lens /HFOV	24° / 50° / 95° (Other HFOV available on request)
Focus	8.5m / 1m / 2.5m

Mechanical

Diameter	78 mm (camera, excluding connector)
Length	168 mm (camera, excluding bulkhead mounting bracket)
Weight	1.1Kg camera (3Kg bulkhead mounting bracket & tapping pad)
Standard Housing	316 Stainless Steel painted FED-STD-595 #26307
Window	Chalcogenide (Germanium available as an option)
Connector Type	D38999/20FB35PN - Camera comes with Mating Connector, Back-shell & Straight Heat-shrink Boot

Environmental

Housing	IP67 (1m immersion)
Temperature	(Designed to) MIL-STD-810F Operating: -25°C to +60°C / 95% RH, Storage: -40°C to +70°C
Vibration	(Designed to) MIL-STD-167-1A Shipboard, 4 to 33Hz
Shock	(Designed to) MIL-S-901D, Grade B, Class 1, Type A
Salt Fog	(Designed to) MIL-STD-810F, Method 509.4
EMI	(Designed to) MIL-STD-461E, Surface Ships