



Rugged Naval Fixed Thermal Camera

0534-6105

Benefits

- LWIR 640 x 480 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

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Performance, Electrical & Network

Sensor Resolution	640 (H) x 480 (V)
Sensor Type	Vanadium Oxide based focal plane, 12um pixel pitch
Sensor Sensitivity	<50mK (optional <40mK)
Sensor Spectral Response	7µm to 14µm (Long Wave Infra-Red)
Non Uniformity Correction	Automatic, shutterless
Digital Zoom	x2, x4, x8 or smooth zoom
Video Compression	H.265, H.264 and MJPEG
Video Streaming	Multiple simultaneous streams
Frame Rate	Up to 30 fps at 640 x 480
Network Interface	10/100/1000 Base-T Ethernet, ONVIF support, Milestone XProtect® compatible
Security	Base-64 authentication, HTTPS (SSL), 802.1x, IP Address Filtering
Protocols	IPv4/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP, TLS/SSL
Edge Storage	Micro SD/SDHC card slot (32GB fitted)
Power Input	Power over Ethernet+ (PoE+) (IEEE802.3at Class 4), 25.5W Max
Analytics	Supports Multi Object Detection, Intrusion, Single Line Crossing, Double Line Crossing.

Optical

Standard Lens / FoV	10.3mm, F/1.2 (40.9° Horizontal FoV), Athermalised; other options available
Focus	Fixed 1.2m to infinity

Mechanical

Diameter	74 mm (camera, excluding connector)
Length	174 mm (camera, excluding bulkhead mounting bracket)
Weight	1.3Kg camera (3Kg bulkhead mounting bracket & tapping pad)
Standard Housing	Aluminium alloy 6082T6 to BS1470, clear anodized and painted grey FED-STD-595 #26307 polyester powder semi-gloss paint top coat
Window	Germanium
Connector Type	D38999/20FB35PN (**NOTE: Installer to provide mating connector/backshell**)

Environmental

Housing	IP67 (1m immersion)
Temperature	(Designed to) MIL-STD-810F Operating: -40°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

Specification subject to change without any further notice