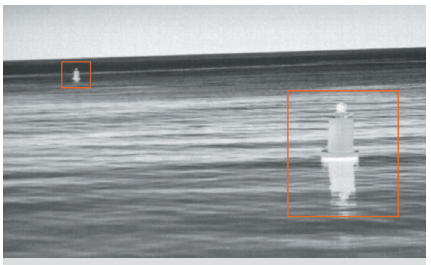
TELEDYNE FLIR

FLIR M332/M364

MARINE THERMAL CAMERAS WITH ACTIVE GYRO-STABILIZATION

Pairing a rugged, all-weather design with one of the most advanced FLIR thermal imaging cores, the M332 and M364 deliver awareness-enhancing thermal vision for law enforcement, commercial, and recreational applications. Advanced gyro-stabilization and high-performance thermal imaging detect obstacles and targets in complete darkness and heavy seas, allowing safe navigation in the most challenging conditions.



SAFE NAVIGATION IN LOW VISIBILITY ENVIRONMENTS

Thermal imaging offers vision in complete darkness, glare, and light fog.

- Powered by the breakthrough Teledyne FLIR Boson thermal imaging core
- Thermal resolution up to 640 × 512
- Smooth image refresh rates up to 30 Hz
- Advanced onboard image processing technology
- Marine Video Analytics intelligently identifies non-water objects

A STEADY VIEW IN ROUGH SEAS

Stable viewing in heavy seas keeps eyes on-target.

- Two-axis mechanical stabilization virtually eliminates the effects of pitch, heave, and yaw
- Horizontal stabilization automatically keeps the camera on scene as you maneuver

SEAMLESS INTEGRATION

Exceptional connectivity with navigation and security systems.

- Optional joystick control unit and integration with MFDs from Furuno, Garmin, Raymarine and Simrad/B&G
- ONVIF conformance ensures streamlined integration with video management systems
- H.264 IP video-over-IP, HD-SDI, and analog video outputs

SPECIFICATIONS

THERMAL CAMERA	M332	M364
Detector Type	320x256 VOx Microbolometer	640x512 VOx Microbolometer
Video Refresh Rate	30 Hz or <9 Hz	30 Hz or <9 Hz
Field of View	24 ° x 18 °	24 ° x 18 °
Focal Length	9.1mm	18 mm
Focus	Fixed 12 ft (3m) to infinity	Fixed 12 ft (3m) to infinity
Optical Zoom	N/A	N/A
Digital-Zoom	4x Continuous	
SYSTEM SPECIFICATIONS		
Gyro Stabilized	Yes	
Marine Video Analytics (MVA)	Yes	
Pan/Tilt Adjustment Range	360° Continuous Pan, +/- 90° Tilt	
Analog Video Output	NTSC/PAL User Settable	
Analog Video Connector Types	BNC	
Network Video Output	Two, Independent H.264/MJPEG Network Video Streams	
HD-SDI Lossless Video Output	Yes	
Power Requirements	12 to 24VDC	
Power Consumption	41W nominal; 56W w/ heaters	
ONVIF	Profile S Conformance	
ENVIRONMENTAL		
Operating Temperature Range	-13°F to +131°F (-25°C to +55°C)	
Storage Temperature Range	-22°F to +158°F (-30°C to +70°C)	
Automatic Window Defrost	Standard at Power-Up	
Water Ingress	IPX6	
Shock	15g vertical, 9g horizontal	
Vibration	IEC60945	
Lightning Protection	Near Strike at 2kV	
Salt Mist	IEC60945	
EMI	IEC60945	
PHYSICAL		
Weight	Camera: 13.9lbs (6.3kg) Camera with Top-Down Riser: 14.9lbs (6.8kg)	
Size	Camera: 8.7" (222mm) x 12.9" (328mm) Camera with Top-Down Riser: 10.0" (254mm) x 14.4" (366mm)	
CLEAR WEATHER RANGE PERFORMANCE		
Detect a 30-foot Vessel	1.0nm (1850m)	1.7nm (3150m)
NATO Target 2.3m x 2.3m @50%	0.7nm (1285m)	0.9nm (1690m)
Detect Human Sized Target	0.3nm (560m)	0.5nm (925m)

* Always check display manufacturer's website and technical documentation for the latest information regarding camera/display compatibility

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TELEDYNE FLIR
Everywhereyoulook™

WARRANTY

Teledyne FLIR's service commitment of outstanding warranty and technical support now offers you even more; by registering your system with FLIR at www.teledyneflir.com, the 2-Year Standard Limited Warranty is upgraded and replaced by the 3-Year Extended Limited Warranty for FREE.

For complete details on FLIR's industry-leading warranty please visit www.teledyneflir.com/maritime.