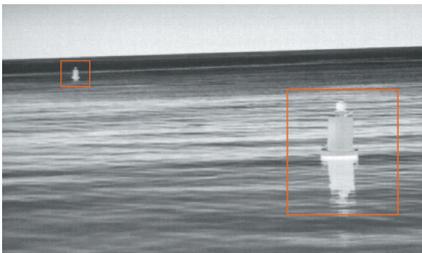


# FLIR M332/M364

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.

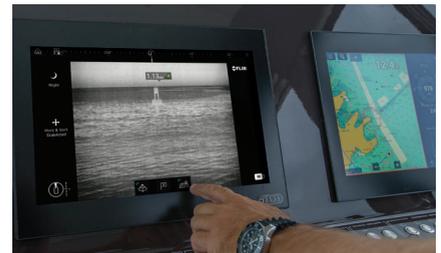
- Powered by the breakthrough Teledyne FLIR Boson thermal imaging core
- Thermal resolution up to 640 x 512
- Smooth image refresh rates up to 30 Hz
- Advanced onboard image processing technology
- Marine Video Analytics intelligently identifies non-water objects



## 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	
<b>SYSTEM SPECIFICATIONS</b>		
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	
<b>ENVIRONMENTAL</b>		
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	
<b>PHYSICAL</b>		
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)	
<b>CLEAR WEATHER RANGE PERFORMANCE</b>		
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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### 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](http://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](http://www.teledyneflir.com/maritime).

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