



MARINE THERMAL CAMERAS WITH ACTIVE GYRO-STABILIZATION

FLIR M332/M364

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.

www.flir.com/m300-series



SAFE NAVIGATION IN LOW VISIBILITY ENVIRONMENTS

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

- Powered by the breakthrough FLIR Boson thermal imaging core
- Thermal resolution up to 640 × 512
- Smooth image refresh rates up to 30 Hz
- Advanced onboard image processing technology
- ClearCruise Augmented Reality-enabled when paired with Raymarine Axiom MFDs



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
- Integrated AHRS (Attitude Heading Reference Sensor)
- 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 multifunction navigation display integration
- ONVIF-compliant for PTZ security camera functionality
- H.264 IP video stream, HD-SDI lossless, and analog video output

SPECIFICATIONS

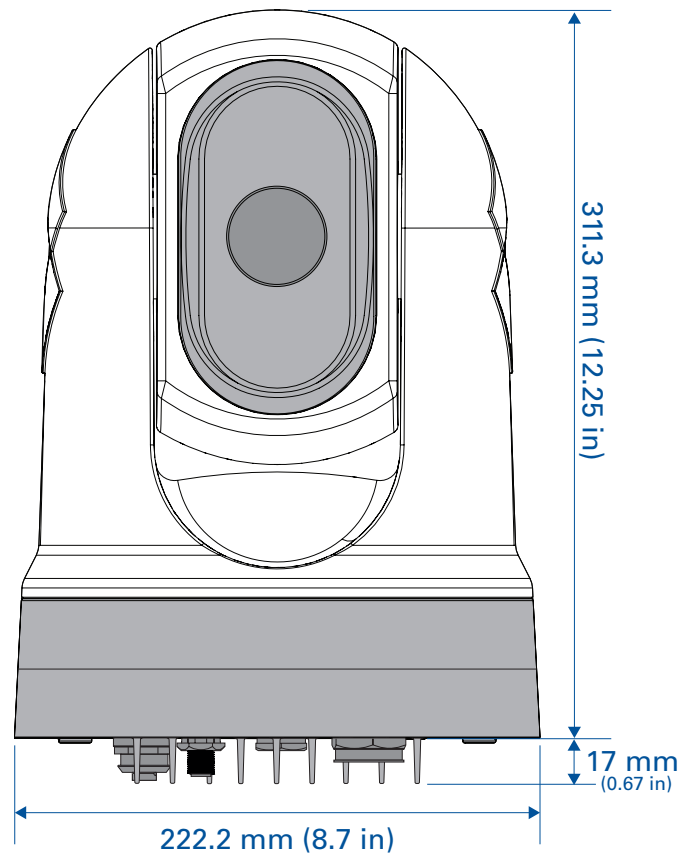
Thermal Camera	M332	M364
Detector Type	320x256 VOx Microbolometer	640x512 VOx Microbolometer
Video Refresh Rate	30 Hz or <9 Hz	30 Hz or <9 Hz
Field of View	24 ° x 18 °	24 ° x 18 °
Focal Length	9.1mm	18 mm
Focus	Fixed 12 ft (3m) to infinity	Fixed 12 ft (3m) to infinity
Optical Zoom	N/A	N/A
E-Zoom	4x Continuous	
Image Processing	FLIR Proprietary Digital Detail Enhancement	FLIR Proprietary Digital Detail Enhancement

System Specifications

Gyro Stabilized	Yes
ClearCruise Augmented Reality	Yes, with Raymarine Axiom
Pan/Tilt Adjustment Range	360° Continuous Pan, +/- 90° Tilt
Analog Video Output	NTSC
Analog Video Connector Types	BNC
Network Video Output	Single H.264 IP Network Video Stream
HD-SDI Lossless Video Output	Yes
Power Requirements	12 to 24VDC
Power Consumption	41 W typical, 56 W typical (with heaters on.) Note: FLIR recommends using a 75 W power supply

Environmental	M332	M364
Operating Temperature Range	-13°F to +131°F (-25°C to +55°C)	
Storage Temperature Range	-30°F to +158°F (-30°C to +70°C)	
Automatic Window Defrost	Standard at Power-Up	
Sand/Dust Ingress	Mil-Std-810E or IP6X	
Water Ingress	IPX6 (heavy seas, power jets of water)	
Shock	15g vertical, 9g horizontal	
Vibration	IEC60945	
Lightning Protection	Standard	
Salt Mist	IEC60945	
Wind	100 knots (115.2 MPH)	
EMI	IEC60945	

Physical	M332	M364
Weight	6.3 kg (13.9 lb) without mounting riser; 6.75 kg (14.9 lb) with mounting riser.	
Size	Camera: Base diameter: 222.2 mm (8.7 in.) Height: 328.3 mm (12.9 in.) Camera attached to mounting riser: Base diameter (with seal): 254.0 mm (10.0 in.) Height: 365.5 mm (14.4 in.)	
Range Performance		
Person in the Water	~1,500 ft (457 m)	2,700ft (823m)
Small Vessel	~0.67 nm (1.3 km)	1.2nm (2.2km)



Specifications are subject to change without notice. For the most up-to-date specs, go to www.flir.com

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