

FLIR M364C & M364C LR

PREMIUM MULTISPECTRAL MARINE CAMERAS WITH ACTIVE GYRO-STABILIZATION



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Featuring a high definition low light camera and one of the most advanced Teledyne FLIR thermal imaging cores, the M364C and M364C LR provide an elite level of awareness on the water. Both cameras use multispectral imaging to deliver exclusive FLIR Color Thermal Vision™ (CTV) technology. Color Thermal Vision blends visible camera details with a thermal image, overlaying vital color imagery that allows captains to positively identify navigation aids and other vessels within the thermal scene. Outstanding imaging performance and enhanced gyro-stabilization make the M364C and M364C LR indispensable tools for law enforcement professionals, commercial mariners, and serious recreational boaters.



ELITE AWARENESS WITH MULTISPECTRAL IMAGING

Thermal and visible imaging featuring FLIR Color Thermal Vision and Marine Video Analytics (MVA).

- Thermal imaging detects objects in complete darkness, glare, and light fog
- Marine Video Analytics (MVA) object detection technology recognizes and highlights non-water objects like boats, buoys, or floating debris
- Color Thermal Vision blends the thermal and low light visible cameras to easily identify color details like navigational lights and navigation aids



HIGH DEFINITION NAVIGATION

Low light HD visible imaging sensor and long-range zoom offer enhanced target identification.

- Better than binoculars, the M364C with 30x optical zoom and image stabilization delivers superior long-range imaging and positive target identification
- Ultra-low light capabilities provide visible imagery in the most challenging of lighting conditions
- MFD ready. M364C and the M364C LR integrate with MFDs from Furuno, Garmin, Raymarine, and Simrad/B&G



PREMIUM MARINE THERMAL IMAGING

- Teledyne FLIR Boson 640x 512 thermal sensor for unmatched image quality
- Choose the M364C or step up the M364C LR for improved range performance
- Integrated AHRS sensor delivers a steady view when seas are rough. Two-axis stabilization counteracts the effects of ocean swells
- ONVIF compliant for streamlined integration with a wide variety of video management systems

SPECIFICATIONS

Thermal Camera	M364C	M364C LR
Detector Type	640x512 VOx Microbolometer	
Video Refresh Rate	30 Hz or <9 Hz	
Field of View	24 ° x 18 °	18 ° x 13.5 °
Focal Length	18 mm	25 mm
Focus	Fixed 12 ft (3m) to infinity	
Optical Zoom	N/A	
Digital-Zoom	4x Continuous	
VISIBLE CAMERA		
Detector Type	1/2.8" CMOS	
Resolution	Up to 1920 x 1080 @ 30fps	
Minimum Illumination	Low Light Setting ON: 0.006 lux / Low Light Setting OFF: 0.1 lux	
Optical Zoom	30x	
Digital-Zoom	12x	
Focal Length	129 mm to 4.3 mm	
Field of View	63.7° x 35.8° WFOV to 2.3° x 1.29° NFOV	
SYSTEM SPECIFICATIONS		
Gyro Stabilized	Yes	
Marine Video Analytics (MVA)	Yes	
Pan/Tilt Adjustment Range	360° Continuous Pan, +/- 90° Tilt	
Color Thermal Vision	Yes	
Analog Video Output	NTSC/PAL User Settable	
Analog Video Connector Types	BNC	
Network Video Output	Dual H.264 IP Network Video Streams	
HD-SDI Lossless Video Output	Yes	
Power Requirements	12 to 24 VDC	
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	-30°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 up to 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	1.7nm (3150m)	2.0nm (3700m)
NATO Target 2.3m x 2.3m @50%	0.9nm (1690m)	1.3nm (2370m)
Detect Human Sized Target	0.5nm (925m)	0.6nm (1030m)

* 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, 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.

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