

# FLIR M300C

HIGH-PERFORMANCE MARINE VISIBLE CAMERA



Combining a high-performance visible marine camera with outstanding optical zoom capabilities, the M300C offers positive target identification for law enforcement, commercial, and recreational applications. Advanced gyro stabilization combats rough sea conditions and allows the M300C to continuously monitor targets or hazards over long distances. The M300C's advanced near-infrared sensor delivers exceptional low light performance for enhanced awareness after the sun goes down.



Locate and identify distant targets with 30x optical zoom.



## EXCEPTIONAL DAY & NIGHT VISION

- See at night with near-infrared low light mode
- Locate and identify distant targets with 30x optical zoom
- Intelligent non-water object detection with Marine Video Analytics (MVA)



## A STEADY VIEW IN ROUGH SEAS

- Two-axis stabilization virtually eliminates the effects of pitch, heave, and yaw
- Integrated AHRS (Attitude Heading Reference Sensor) delivers superior stabilization



## MFD READY

- Integrate M300C with multifunction chartplotter displays from Furuno, Garmin, Raymarine and Simrad/B&G
- ONVIF compliant for streamlined integration with a wide variety of video management systems

# SPECIFICATIONS

<b>M300C</b>	
<b>VISIBLE CAMERA</b>	
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
<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	12-24V DC
Power Consumption	41W nominal; 56W w/ heater
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)

\* 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/productreg](http://www.teledyneflir.com/productreg), 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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