



2310111183

M364C LR Stabilized 30Hz Color Thermal IP Camera

Thermal IP Camera

- ✓ 640 x 512 pixel resolution
- ✓ 24° x 18° field of view
- ✓ 8x continuous electronic zoom
- ✓ 2 axis gyro-stabilization
- ✓ 30x optical zoom
- ✓ Ball up or ball down mounting
- ✓ FLIR Boson 640 x 512 Thermal Sensor
- ✓ MSX Multispectral Imaging
- ✓ Integrated AHRS (Attitude Heading Reference Sensor)
- ✓ IPX6, IP6X

Description

The M364C LR Stabilized 30Hz Color Thermal IP Camera is a high definition low light camera with one of the most advanced FLIR thermal imaging cores that provides an elite level of awareness on the water.

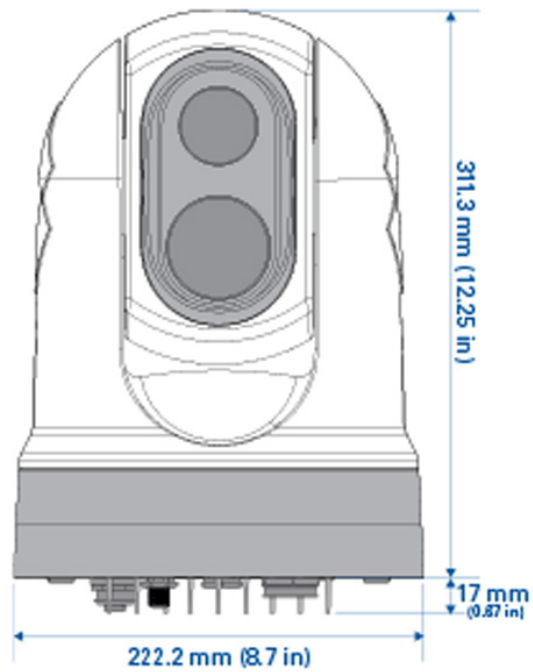
M364C LR Stabilized 30Hz Color Thermal IP Camera

It uses 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, a narrow field of view lens for extended range performance, and gyro-stabilization make the M364C LR an indispensable tool for the maritime industry.

The M364C LR Stabilized 30Hz Color Thermal IP Camera provides steady, stable viewing in heavy seas keeps eyes on-target. It utilizes two-axis mechanical stabilization virtually eliminates the effects of pitch, heave, and yaw. The horizontal stabilization automatically keeps the camera positioned in the same direction as the vessel turns. Additionally, the camera features an integrated AHRS (Attitude Heading Reference Sensor).

Technical Dimensions



Specifications

THERMAL CAMERA

Detector Type	640x512 VOx Microbolometer
Video Refresh Rate	30 Hz or <9 Hz
Field of View	18 ° x 13.5 °
Focus	Fixed 3m to infinity
Optical Zoom	N/A
E-Zoom	4x Continuous
Image Processing	FLIR Proprietary Digital Detail Enhancement
Focal Length	25 mm

VISIBLE CAMERA

Detector Type	1/2.8" Exmor R CMOS
Lines of Resolution	High Definition up to 1080/30p
Minimum Illumination	0.1 lux (50 IRE, 1/30s, ICR off, slow shutter off, high sensitivity off) / 0.0008 lux (30 IRE, ICR on, slow shutter 1/4s, high sensitivity on)
Zoom	30× Optical Zoom
E-Zoom	12x
Focal Length	129 mm to 4.3 mm
Field of View	Optical 63.7° x 35.8° WFOV to 2.3° x 1.29° NFOV

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	Dual H.264 IP Network Video Streams
HD-SDI Lossless Video Output	Yes
Power Requirements	12 to 24 VDC
Power Consumption	41 W typical, 56 W typical (with heaters on.) Note: FLIR recommends using a 75 W power supply

ENVIRONMENTAL

Operating Temperature Range	-25°C to +55°C
Storage Temperature Range	-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
EMI	IEC60945

PHYSICAL

Weight	6.3 kg without mounting riser; 6.75 kg with mounting riser
Size	Camera: Base diameter: 222.2 mm Height: 328.3 mm Camera attached to mounting riser: Base diameter (with seal): 254.0 mm Height: 365.5 mm

RANGE PERFORMANCE

Person in the Water	1,494m
Small Vessel	3.9 km