2310111182

M364C 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
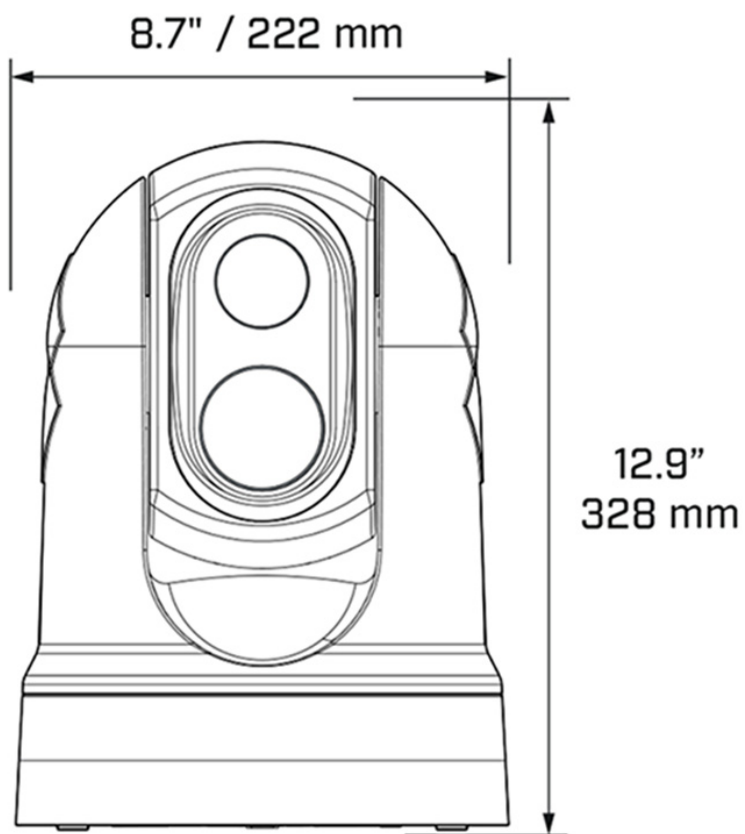- ✓ Color Thermal Vision

Description

The M364C Stabilized 30Hz Color Thermal IP Camera is a high definition low light camera with one of the most advanced Teledyne FLIR thermal imaging cores that provides an elite level of awareness on the water. It uses advanced gyro-stabilization and high-performance thermal imaging to detect obstacles and targets in complete darkness and heavy seas, allowing safe navigation in the most challenging conditions.

The camera 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.

M364C Stabilized 30Hz Color Thermal IP Camera

The color thermal IP camera provides steady, stable viewing in heavy seas to allow captains to keep their eyes on-target. It utilizes two-axis mechanical stabilization which 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 M364C Stabilized 30Hz Color Thermal IP Camera features an integrated AHRS (Attitude Heading Reference Sensor).

Technical Dimensions

www.zenitel.com   info@zenitel.com

8.7" / 222 mm

12.9"
328 mm

www.zenitel.com   info@zenitel.com

Specifications

THERMAL CAMERA

Detector Type	640x512 VOx Microbolometer
Video Refresh Rate	30 Hz or <9 Hz
Field of View	24 ° x 18 °
Focal Length	18 mm
Focus	Fixed 12 ft (3m) to infinity
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	30×
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

www.zenitel.com   info@zenitel.com

ENVIRONMENTAL

Operating Temperature Range	-25°C to +55°C
Storage Temperature Range	-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: 6.3kg / Camera with Top-Down Riser: 6.8kg
Size	CameCamera: 222mm x 328mm / Camera with Top-Down Riser: 254mm x 366mm

CLEAR WEATHER RANGE PERFORMANCE

Detect a 30-foot vessel	3150m
NATO Target 2.3m x 2.3m @50%	1690m
Detect Human Sized Target	925m

Accessories

JCU2 Joystick Control Unit

CCTV Joystick