

# FLIR®

## M-618CS

Gyro-Stabilized, Long-Range Thermal  
Night Vision System

Gyro-Stabilized!



### See At Night - Better and Farther Than Ever Before

The new M-618CS is the most advanced member of FLIR's industry-leading M-Series line of thermal night vision systems. The M-618CS combines long-range thermal night vision with a color zoom camera and gyro-stabilization, making it the most capable system in its class.

#### The M-618CS features:

- **High resolution thermal night vision** – 640 x 480 resolution, along with 2x and 4x E-Zoom, provide clear, detailed images from farther away than you ever thought possible, even in total darkness.
- **Extended range performance** – The M-618CS's 35 mm thermal lens can detect small vessels from over 2 miles away, giving you more time to see and avoid potentially dangerous situations.
- **Active gyro-stabilization** – Provides steady imagery, even in rough seas; this is critical for getting the most out of the M-618CS's long-range cameras.
- **Color TV camera with 10x optical zoom** – Continuous zoom can match the thermal camera's e-zoom for easy operation when switching between cameras.
- **Easy to install, integrate, and operate** – The M-618CS is easy to use and install thanks to its standard video format and cutting-edge Ethernet connectivity.
- **Rugged waterproof gimbal enclosure** – Provides continuous 360° pan and +/-90° tilt field of view for horizon-to-horizon coverage.
- **Color on-screen symbology** – Detailed, 3D color on-screen symbology gives you instant access to system status, position, and configuration.

For additional technical information, or to see a demonstration of this revolutionary system, contact a FLIR representative today. You can also visit [www.flir.com](http://www.flir.com) to watch product videos and see how thermal night vision can keep you safe on the water.

## M-Series



Thermal Imaging Specifications		M-618CS
Sensor Type		640 x 480 VOx Microbolometer
FOV		18° x 14° (NTSC)
Focal Length		35 mm
E-Zoom		2x & 4x
Image Processing		FLIR DDE
Color Daylight Imaging Specifications		
FOV		~58° (h) x 43° (v) w/ 10x optical zoom slaved to thermal camera
Lines of Resolution		530
Minimum Illumination		1.4 Lux
System Specifications		
Size		7" dia. x 11.4" ht.
Weight		~ 11.5 lb
Stabilization		2-Axis Gyro-Stabilization
Pan/Tilt Coverage		360° Continuous Pan +/-90° Tilt
Video Output		NTSC or PAL
Connector Types		BNC with BNC-to-RCA adapter included for video out
Power Requirements		12 VDC to 24 VDC (-10%/+30% per IEC 60945)
Power Consumption		25 W nominal; 50 W max
Environmental		
Operating temperature range		-25°C to +55°C (per IEC 60945)
Storage temperature range		-40°C to +85°C (per IEC 60945)
Automatic Window defrost		Standard
Sand/Dust		Mil-Std-810E
Water Ingress		IPX6
Shock		15 g vertical, 9 g horizontal
Vibration		IEC 60945; MIL-STD-810E
Lightening Protection		IEC 60945
Salt Mist		IEC 60945
Wind		100 knot (115.2 mph)
EMI		IEC 60945
<b>Standard Package</b>	Camera head with 18-inch pigtail cables for power, analog video, and Ethernet; Joystick Control Unit; Operator Manual	
<b>Warranty</b>	3 Year (with product registration)	
<b>Accessories</b>	Dual Station JCU; Low Smoke, Zero Halogen Ethernet Cables; Standard cat 5e Ethernet cables; Top-down mounting riser	
Range Performance†		
Detect Man (1.8 m x 0.5 m)		~4,000' (1.2 km)
Detect Small Vessel (4 m x 1.5 m)		~2.4 mi (3.9 km)

† = Actual object detection range performance may vary depending on camera set-up, environmental conditions, user experience, and type of display used. All specifications are subject to change without notice. Visit [www.flir.com/maritime](http://www.flir.com/maritime) for the most up-to-date specifications.



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