



First Mate MLS-Series

Compact Tactical Thermal Night Vision Cameras



Your Vision



NightVision



FLIR Vision

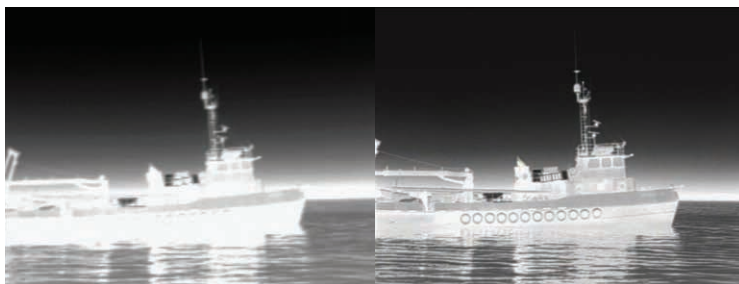
The Force-Multiplying Thermal Advantage

Increased responsibilities and shrinking budgets are stretching first responders thin. The new FLIR MLS-Series compact tactical thermal night vision camera is designed to increase your situational awareness without blowing your budget. Thermal imaging cameras detect and display tiny differences in heat, not light. So no matter how much light is available—from pitch black to moonlight to severe midday glare—thermal imagers display clear infrared video.

As a force-multiplier, MLS helps first responders see clearly at night on search and rescue missions, law enforcement assignments, SCUBA operations, harbor safety patrols, assisting disabled boaters, participating in homeland security missions, and even responding to HAZMAT emergencies.

Key Features of First Mate MLS:

- Compact, lightweight, easy-to-use design
- White Hot, Black Hot and new InstAlert™ detection palette
- Tactical marking laser
- Available in 320 x 240 (60 Hz) and 640 x 480 (30 Hz) resolutions
- 2x e-zoom standard; MLS-618 includes 2x, 4x and continuous e-zoom



MLS-317 comes with a 320 x 240 detector (left). MLS-618 comes with a high-resolution 640 x 480 detector (right), which provides a cleaner image and longer range performance.

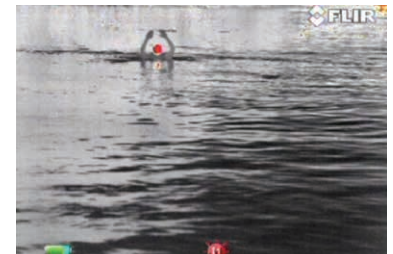
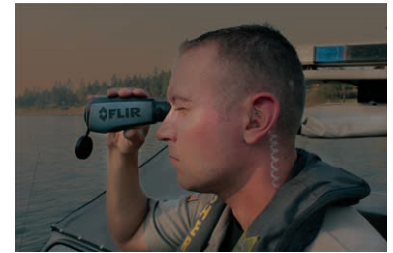
Call 1.877.545.5094 for more information, or visit www.FLIR.com/MLS-Series.

First Mate MLS-Series

System	MLS-317	MLS-618
Detector Type	320 x 240 VOx Microbolometer	640 x 480 VOx Microbolometer
FOV (NTSC)	17° x 13°	18° x 14°
Focal Length	19 mm	35 mm
Waveband	7.5 - 13.5 µm	
Start-up Time	< 2 seconds	
User Interface		
Power Button	On/Off	
Zoom Button	2x	2x, 4x & Continuous Zoom
Polarity Button	Toggles White Hot, Black Hot, and InstAlert	
Brightness Button	Adjusts Display Brightness	
Image Presentation		
Built-In Display	Color VGA LCD Display	
Video Refresh Rate	60 Hz	30 Hz
Image Polarity	White Hot; Black Hot; InstAlert	
Power		
Battery Type	Internal Camera Battery/Li-Ion	
Battery Life (Operating)	5 to 7 Hours (nominal)	
Laser		
Type	Visible Red (Wavelength 630-669nm)	
Class	IIIA/3R (US FDA/IEC)	
Power	<5mW (3.5mW typical)	
Environmental		
Rating	IP-67	
Operating Temp.	-4°F to 122°F (-20°C to 50°C)	
Storage Temp.	-40°F to 140°F (-40°C to 60°C)	
Physical		
Weight (incl. lens)	12.9 oz	
Size (L x W x H)	6.70" x 2.31" x 2.44"	
Packages Include	MLS-Series Handheld Maritime Thermal Night Vision Camera, USB Charger, Wrist Strap, USB Cable, Product CD	
Warranty*	1 Year Standard; 3/10 Year w/ Registration	
Range Performance**		
Detect Man (1.8 m x 0.5 m)	~1,800' (.30 M)	~3,600' (.59 M)
Detect Small Vessel (4.0 m x 1.5 m)	~5,400' (.89 M)	~1.73 M

*Register camera at FLIR.com/cs/warranty to upgrade to a 3-year Parts & Labor, 10-year detector warranty for free.

**Actual object detection range performance may vary depending on camera setup, environmental conditions, user experience, and type of display used.



InstAlert™



www.FLIR.com/MLS-Series

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