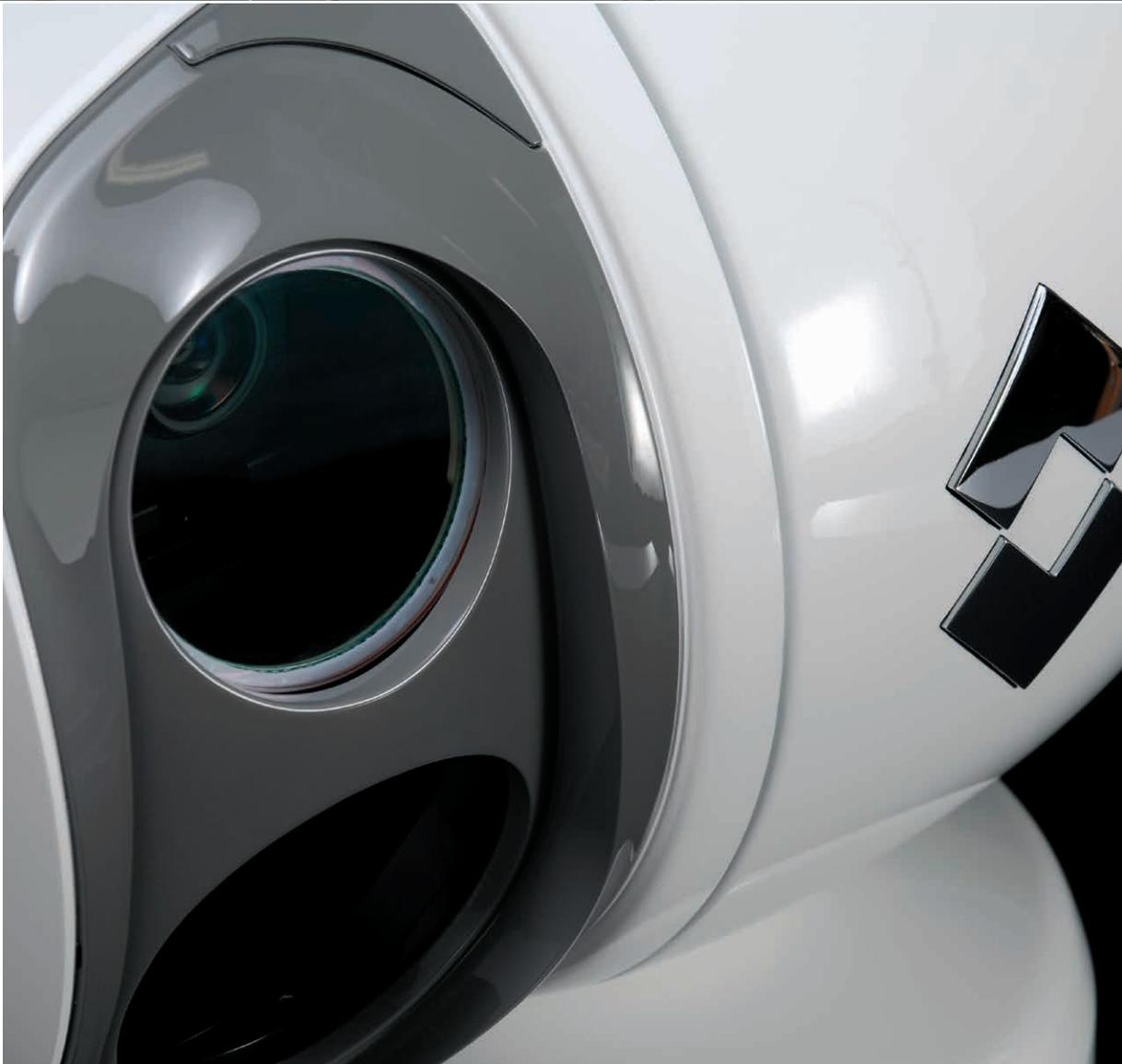


MU/MV-Series

Ultra Long-range Multi-sensor Thermal Night Vision System



 **FLIR**[®]

MU/MV-Series

Ultra Long-range Multi-sensor Thermal Night Vision System



Key Features of MU/MV-Series:

- **Pan/Tilt** enables you to continuously pan 360° and tilt +/- 90°, enhancing situational awareness.
- **Active gyro-stabilization** provides steady, long-range imaging — even in rough seas.
- **Radar tracking** identifies and tracks specified radar returns, enhancing vessel safety when visibility is low.
- **Video tracking** locks on and follows objects as long as they're in view of camera.
- **Picture-in Picture** mode (PIP) displays images from two sensors at once, one full screen and the other as a smaller inset.
- **Digital Detail Enhancement** (DDE) assures a crisp thermal image, even in scenes with extreme temperature dynamics.

Joystick Control Unit

Ergonomic, effortless control of all critical functions, even in rough conditions



Continuous Optical Zoom

The FLIR MU/MV-Series night vision systems have continuous optical zoom that allows you to quickly investigate objects or vessels far away.



Four Payload Types



Ball-Up/Ball-Down Configuration

The FLIR MU/MV-Series can be installed in ball-up or ball-down position, giving you more flexibility when configuring it to your vessel.



The MU-Series

FLIR MU-Series is the most technologically advanced thermal night vision system available to the maritime industry. This gyro-stabilized, multi-sensor system provides unparalleled long-range performance. The MU-602C includes a cooled midwave, high-resolution 640 x 512 pixel thermal camera with a 14X optical zoom and a field of view between 28° and 2°. It comes standard with a 550-line color daylight camera with a 28X optical zoom. The MU-602CL adds an additional, low-light black and white camera, while the MU-602CLW includes a fourth camera: an uncooled, long-wave 640 x 480 pixel thermal camera ideal for short range imaging.

The MV-Series

FLIR MV-Series is an affordable, multi-sensor thermal imaging solution. The system is equipped with an uncooled Vanadium Oxide (VOx) detector that produces remarkable thermal images of 640 x 480 pixels, with a field of view between 24.5° and 4°. MV-604C contains a thermal imaging camera, plus a visible color camera. MV-604CL adds an additional black & white low light camera as a third payload.



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



MU-602C

MU-602CL

MU-602CLW

MV-604C

MV-604CL

Main Thermal Camera					
Detector Type	Focal Plane Array (FPA), Cooled MWIR 640 x 512 pixels		Focal Plane Array (FPA), Uncooled LWIR 640 x 480 pixels		
Field of view¹	Continuous Optical Zoom WFOV 28° x 22.4° to NFOV 2° x 1.6° (PAL)		Continuous Optical Zoom WFOV 24.5° x 18.5° to NFOV 4.1° x 3.1° (PAL)		
Focus	Focus free at infinity/Manual/Auto/Wide				
Visible Color Camera					
Lines of Resolution	550 TV Lines				
Minimum Illumination	0.25 Lux				
Field of View	~56° to 2° (H) 28X optical zoom				
Lowlight B/W Camera					
Lines of Resolution	N/A	570 TV Lines	570 TV Lines	N/A	570 TV Lines
Minimum Illumination		0.0002 Lux (front plate)	0.0002 Lux (front plate)		0.0002 Lux (front plate)
Focus		Manual/AF	Manual/AF		Manual/AF
Field of view		25° to 2.5° (H) 10X optical zoom	25° to 2.5° (H) 10X optical zoom		25° to 2.5° (H) 10X optical zoom
Thermal LW Camera					
Detector Type	N/A		Focal Plane Array (FPA), uncooled microbolometer 640 x 480 pixels	N/A	
Field of View¹			32° (athermalized)		
Digital Zoom			Continuous up to 4X		
Detection Range					
Man-sized Target	9.2 km		4.4 km		
Small Vessel-sized Target	15.5 km		12.7 km		

¹ Field of View describes the angular measure of a scene imaged with the given pixel array, expressed as degrees in horizontal by vertical directions.



www.FLIR.com/MU-Series

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