



M-Series

Premium Maritime Thermal
Night Vision System



See At Night – Better than ever before

If you boat at night, or even if you think you'd like to someday, then you need M-Series: FLIR's new line of premium thermal night vision systems.

FLIR thermal imagers use the latest technologies available to help you see clearly in total darkness. In fact, they're the best commercial maritime thermal night vision systems you can find outside of the Pentagon. It's no wonder, coming from the world leader in commercial thermal imaging systems – FLIR.

M-Series cameras feature:

- **Clearer, most detailed thermal imagery** – M-Series cameras deliver up to four-times the resolution of other systems, giving you clear, sharp images with detail you never thought possible in such an affordable thermal night vision system.
- **More than double the detection range** – The new M-series systems use the latest generation of thermal imagers from FLIR. Featuring the highest sensitivity, and more than double the range performance of current systems, M-Series cameras let you see more – and see farther – even in the dead of night. M-Series systems are offered with either standard resolution or high resolution thermal imagers.
- **Optional Lowlight TV camera** – Provides enhanced navigational abilities during twilight hours, when operating along intracoastal waterways, and near harbor entrances. Anywhere you can see a little, the lowlight camera will help you see more.
- **Color on-screen symbology** – Part of FLIR's exclusive Accu-Point control and display technology, M-Series cameras have detailed, 3D color on-screen symbology that gives you instant access to system status, position, and configuration.

For additional technical information, or to see a demonstration of this revolutionary new system, contact a FLIR representative today. You can also visit www.flir.com to watch product videos and see how thermal imaging can keep you on the water, night and day.

M-Series



Thermal Imaging Specifications

	M-626L	M-320L	M-324
Sensor Type	640 x 480 VOx microbolometer	320 x 240 VOx microbolometer	320 x 240 VOx microbolometer
FOV	26° x 20° (NTSC)	20° x 15° (NTSC)	24° x 18° (NTSC)
Focal Length	35 mm	35 mm	19 mm
E-Zoom	2x & 4x	2x	2x
Image Processing	FLIR DDE	FLIR DDE	FLIR DDE

Lowlight Imaging Specifications

Detector Type	1/2" interline transfer CCD	1/2" interline transfer CCD	N/A
Lines of Resolution	768 (H) x 494 (V)	768 (H) x 494 (V)	
Minimum Illumination	100 micro-lux (@ f/1.4)	100 micro-lux (@ f/1.4)	

System Specifications

Size	7" dia. w 11.2" ht.
Weight	~ 9lb
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%]
Power Consumption	25W nominal; 50W max

Environmental

Operating temperature range	-25°C to +55°C
Storage temperature range	-40°C to +85°C
Automatic Window defrost	Standard
Sand/dust	Mil-Std-810E
Window de-icing	Standard
Water Ingress	IPX6
Shock	15 g vertical, 9 g horizontal
Vibration	IEC 60945; MIL-STD-810E
Lightening Protection	Standard
Salt Mist	IEC60945
Wind	100 knot (115.2 mph)
EMI	IEC 60945

Standard Package

Camera head with 18-inch pigtailed for power, analog video, and Ethernet
Joystick Control Unit
Operator manual

Warranty

2 Year

Accessories

Dual Station JCU
Low Smoke, Zero Halogen Ethernet Cables
Standard cat 5e Ethernet cables
Top down mounting riser



PORTLAND

Corporate Headquarters
FLIR Systems, Inc.
27700 SW Parkway Ave.
Wilsonville, OR 97070
USA
PH: +1 877.773.3547
PH: +1 503.498.3547
FX: +1 503.498.3153

SANTA BARBARA

CVS World Headquarters
FLIR Systems, Inc.
70 Castilian Dr.
Goleta, CA 93117
USA
PH: +1 877.773.3547
PH: +1 805.964.9797
FX: +1 805.685.2711

BOSTON

Regional Support
FLIR Systems Boston, Inc.
25 Esquire Road
North Billerica, MA 01862
USA
PH: +1 877.773.3547
PH: +1 978.901.8000
FX: +1 978.901.8885

NETHERLANDS

CVS Eurasian Headquarters
FLIR Systems CVS BV
Charles Petitweg 21
4847 NW Teteringen - Breda
The Netherlands

PH: +31 (0) 765 79 41 94
FX: +31 (0) 765 79 41 99

www.flir.com
NASDAQ: FLIR