

FLIR MD-Series

Affordable thermal night vision system

This affordable, fixed-mount thermal night vision system helps with steering around obstacles, collision avoidance and finding people in the water at night. Simple to mount and easy to integrate into your existing electronics, MD-Series outputs standard analog video that can be easily displayed on any monitor at the helm or other monitors on the vessel.

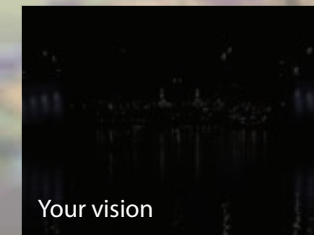
Different versions available

	MD-324	MD-625
Sensor type	320 x 240 VOx Microbolometer	640 x 480 VOx Microbolometer
FOV (Field of View)	24° x 18°	25° x 20°
Focal length	13 mm	25 mm
E-zoom	2x	2x, 4x
Image processing	FLIR Proprietary Digital Detail Enhancement	FLIR Proprietary Digital Detail Enhancement
Range performance		
Detect man-sized target	440 m	930 m
Detect small vessel	1,340 m	2,800 m



Key Features:

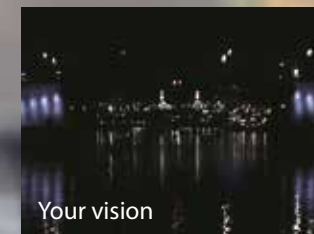
- Available in 320 x 240 and 640 x 480 resolutions
- 2x e-zoom standard; 4x e-zoom included on MD-625
- Ethernet-enabled control for integration into your current electronics
- Compact, all weather, water proof enclosure provides for easy mounting options
- Ball up or ball down mounting



Your vision



Thermal image



Your vision



Thermal image

MD-series



Thermal imaging specifications	MD-324	MD-625
Sensor type	320 x 240 VOx Microbolometer	640 x 480 VOx Microbolometer
Field of view	24° x 18°	25° x 20°
Focal length	13 mm	25 mm
E-zoom	2x	2x, 4x
Image processing	FLIR Proprietary Digital Detail Enhancement	
System specifications		
Size	152mm x 178mm	
Weight	1360g	
Pan/Tilt adjustment range	Pan: ±30° per key, Tilt: +34°, -27° (Locked in at Installation)	
Video output	NTSC or PAL, 30 Hz or <9 Hz	
Connector types	F-type BNC with BNC-to-RCA adapter included for video out	
Power requirements	PoE injector required per IEEE 802.3af	
PoE Injector power requirement	12-24 VDC	
Power consumption	4.8 W nominal; 12.5 W max	
Environmental		
Operating temperature range	-25°C to +55°C	
Storage temperature range	-30°C to +70°C	
Automatic window defrost	Standard at Power-Up	
Sand/dust	Mil-Std-810E	
Water ingress	IPx6 (heavy seas, powerful jets of water)	
Shock	15 g vertical, 9 g horizontal	
Vibration	IEC 60945; MIL-STD-810E	
Lightning protection	Standard	
Salt mist	IEC60945	
Wind	100 knot (115.2 mph)	
EMI	IEC 60945	
Thermal range performance		
Detect man (1.8 m x 0.5 m)	440 m	930 m
Detect small vessel (2.3 m x 2.3 m)	1,340 m	2,800 m
Standard package	Camera Head with ~5' pigtail cable, 25' Analog Video cable, 25' Ethernet cable, PoE injector and Operator Manual CD	
Warranty	3 Year (with product registration)	
Optional accessories	Low smoke zero halogen ethernet cables	

