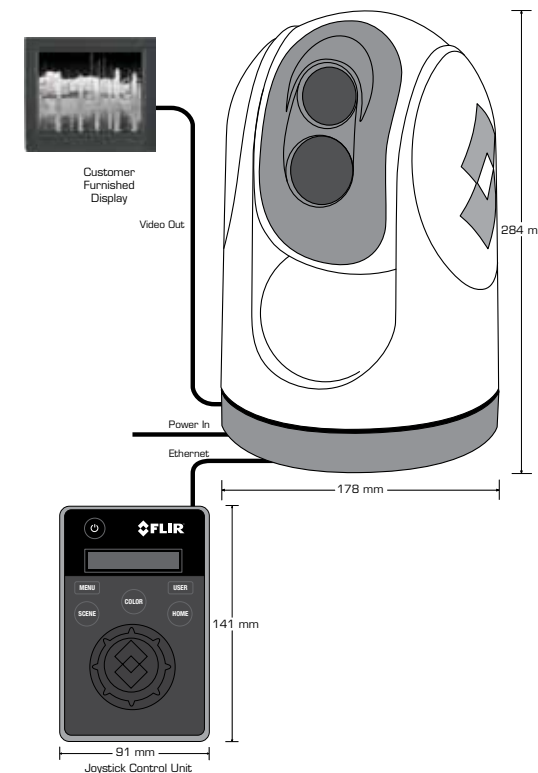


# Specifications

## M-Series



Thermal Imaging Specifications	M-625L	M-625XP	M-324L	M-324XP
Sensor Type	640 x 480 VOx Microbolometer	640 x 480 VOx Microbolometer	320 x 240 VOx Microbolometer	320 x 240 VOx Microbolometer
FOV	25° x 20° (NTSC)	25° x 20° (NTSC)	24° x 19° (NTSC)	24° x 19° (NTSC)
Focal Length	25 mm	25 mm	19 mm	19 mm
E-Zoom	2x & 4x	2x & 4x	2x	2x
Image Processing	FLIR DDE	FLIR DDE	FLIR DDE	FLIR DDE
Daylight Imaging Specifications				
Detector Type	1/2" Interline Transfer Lowlight CCD	N/A	1/2" Interline Transfer Lowlight CCD	N/A
Lines of Resolution	768 (H) x 494 (V)	N/A	768 (H) x 494 (V)	N/A
Minimum Illumination	100 µlx (@ f/1.4)	N/A	100 µlx (@ f/1.4)	N/A
FOV	Matched to IR	N/A	Matched to IR	N/A
System Specifications				
Size	178 mm dia. x 284 mm ht.			
Weight	~ 9 lb			
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	25 W nominal; 50 W 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			
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			
<b>Standard Package</b>	Camera head with 50 cm pigtailed for power, analog video, and Ethernet; Joystick Control Unit; Operator Manual			
<b>Warranty</b>	2 Year			
<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)	820 m	820 m	450 m	450 m
Detect Small Vessel (2.3 m x 2.3 m)	2,200 m	2,200 m	1,300 m	1,300 m



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