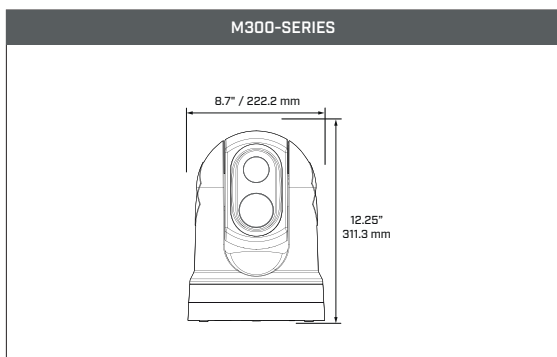


# M300 SERIES SPECIFICATIONS



## WHAT'S IN THE BOX: EVERY M300 CAMERA SYSTEM INCLUDES:

- Camera unit
- Camera base-seal
- Camera gasket
- RayNet-to-RJ45 adaptor cable 120 mm (4.72 in.)
- Right-angled RayNet-to-RayNet cable 3 m (9.8 ft.)
- Right-angled BNC-to-BNC cable 3 m (9.8 ft.)
- Right-angled 3-pin power cable 3 m (9.8 ft.)
- Mounting riser
- 3 x camera fixings: nuts, dome nuts, spring and flat washers, threaded studs
- 2 x self-adhesive decals (for ball-down mounting only)
- Documentation pack

	M300C	M332	
<b>MAIN THERMAL CAMERA</b>			
Video Refresh Rate	N/A	30 Hz or <9 Hz	
Field of View	N/A	24 ° x 18 °	
Focal Length	N/A	9.1mm	
Focus	N/A	Fixed 12 ft (3m) to infinity	
Optical Zoom	N/A	N/A	
E-Zoom	N/A	4x Continuous	
Image Processing	N/A	FLIR Proprietary Digital Detail Enhancement	
Detector Type	N/A	320 x 256 VOx Microbolometer	
<b>MAIN VISIBLE CAMERA</b>			
Detector Type	1/2.8" Exmor R CMOS	N/A	
Resolution	High Definition up to 1080/30p	N/A	
Minimum Illumination	0.1 lux (50 IRE, 1/30s, ICR off, slow shutter off, high sensitivity off) / 0.0008 lux (30 IRE, ICR on, slow shutter 1/4s, high sensitivity on)	N/A	
Zoom	30x Optical Zoom	N/A	
E-Zoom	12x	N/A	
Focal Length	129 mm to 4.3 mm	N/A	
Field of View	Optical 63.7° x 35.8° WFOV to 2.3° x 1.29° NFOV	N/A	
<b>SYSTEM SPECIFICATIONS</b>			
Gyro Stabilized			
ClearCruise Analytics			
Color Thermal Vision (CTV)		No	
Multispectral Imaging (MSX)		No	
Video Tracking			
Firefighter Mode			
Pan/Tilt Adjustment Range			
Analog Video Output			
Analog Video Connector Types			
Network Video Output			
HD-SDI Lossless Video Output			
Power Requirements			
Power Consumption			
<b>ENVIRONMENTAL</b>			
Operating Temperature Range	-13°F to +131°F (-25°C to +55°C)	-13°F to +131°F (-25°C to +55°C)	
Storage Temperature Range	-30°F to +158°F (-30°C to +70°C)	-30°F to +158°F (-30°C to +70°C)	
Automatic Window Defrost	Standard at Power-Up	Standard at Power-Up	
Sand/Dust Ingress	Mil-Std-810E or IP6X	Mil-Std-810E or IP6X	
Water Ingress	IPX6 (heavy seas, power jets of water)	IPX6 (heavy seas, power jets of water)	
Shock	15g vertical, 9g horizontal	15g vertical, 9g horizontal	
Vibration	IEC60945	IEC60945	
Lightning Protection	Standard	Standard	
Salt Mist	IEC60945	IEC60945	
Wind	100 knots (115.2 MPH)	100 knots (115.2 MPH)	
EMI	IEC60945	IEC60945	
<b>PHYSICAL</b>			
Weight	6.3 kg (13.9 lb ) without mounting riser; 6.75 kg (14.9 lb) with mounting riser.	6.3 kg (13.9 lb ) without mounting riser; 6.75 kg (14.9 lb) with mounting riser.	
Size	Camera: Base diameter: 222.2 mm (8.7 in.) Height: 328.3 mm (12.9 in.) Camera attached to mounting riser: Base diameter (with seal): 254.0 mm (10.0 in.) Height: 365.5 mm (14.4 in.)	Camera: Base diameter: 222.2 mm (8.7 in.) Height: 328.3 mm (12.9 in.) Camera attached to mounting riser: Base diameter (with seal): 254.0 mm (10.0 in.) Height: 365.5 mm (14.4 in.)	
<b>RANGE PERFORMANCE</b>			
Clear Weather Range Performance		<b>metres</b>	<b>nm</b>
Detect a 30-foot vessel	N/A	1850.0	1.0
NATO Target 2.3m x 2.3m @50%	N/A	1285.0	0.7
Detect Human Sized Target	N/A	559.0	0.3