



M-618CS

Gyro-Stabilized, Long-Range Thermal
Night Vision System

Gyro-Stabilized!



See At Night - Better and Farther Than Ever Before

The new M-618CS is the most advanced member of FLIR's industry-leading M-Series line of thermal night vision systems. The M-618CS combines long-range thermal night vision with a color zoom camera and gyro-stabilization, making it the most capable system in its class.

The M-618CS features:

- **High resolution thermal night vision** – 640 x 480 resolution, along with 2x and 4x E-Zoom, provide clear, detailed images from farther away than you ever thought possible, even in total darkness.
- **Extended range performance** – The M-618CS's 35 mm thermal lens can detect small vessels from over 2 miles away, giving you more time to see and avoid potentially dangerous situations.
- **Active gyro-stabilization** – Provides steady imagery, even in rough seas; this is critical for getting the most out of the M-618CS's long-range cameras.
- **Color TV camera with 10x optical zoom** – Continuous zoom can match the thermal camera's e-zoom for easy operation when switching between cameras.
- **Easy to install, integrate, and operate** – The M-618CS is easy to use and install thanks to its standard video format and cutting-edge Ethernet connectivity.
- **Rugged waterproof gimbal enclosure** – Provides continuous 360° pan and +/-90° tilt field of view for horizon-to-horizon coverage.
- **Color on-screen symbology** – Detailed, 3D color on-screen symbology gives you instant access to system status, position, and configuration.

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



M-Series



| Thermal Imaging Specifications | | M-618CS |
|---------------------------------------|---|---------|
| Sensor Type | 640 x 480 VOx Microbolometer | |
| FOV | 18° x 14° (NTSC) | |
| Focal Length | 35 mm | |
| E-Zoom | 2x & 4x | |
| Image Processing | FLIR DDE | |
| Color Daylight Imaging Specifications | | |
| FOV | ~58° (h) x 43° (v) w/ 10x optical zoom slaved to thermal camera | |
| Lines of Resolution | 530 | |
| Minimum Illumination | 1.4 Lux | |
| System Specifications | | |
| Size | 7" dia. x 11.4" ht. | |
| Weight | ~ 11.5 lb | |
| Stabilization | 2-Axis Gyro-Stabilization | |
| 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% per IEC 60945) | |
| Power Consumption | 25 W nominal; 50 W max | |
| Environmental | | |
| Operating temperature range | -25°C to +55°C (per IEC 60945) | |
| Storage temperature range | -40°C to +85°C (per IEC 60945) | |
| 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 | IEC 60945 | |
| Salt Mist | IEC 60945 | |
| Wind | 100 knot (115.2 mph) | |
| EMI | IEC 60945 | |
| Standard Package | Camera head with 18-inch pigtail cables for power, analog video, and Ethernet; Joystick Control Unit; Operator Manual | |
| Warranty | 3 Year (with product registration) | |
| Accessories | 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) | ~4,000' (1.2 km) | |
| Detect Small Vessel (4 m x 1.5 m) | ~2.4 mi (3.9 km) | |

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



SANTA BARBARA

FLIR System, Inc.
70 Castilian Dr.
Goleta, CA 93117
USA
PH: +1 877.773.3547
PH: +1 805.964.9797
FX: +1 805.685.2711

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

BOSTON

FLIR Systems, Inc.
9 Townsend West
Nashua, NH 03063
USA
PH: +1 877.773.3547
PH: +1 603.324.7611

NETHERLANDS

FLIR Systems 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