



M A R I T I M E

# TOTAL MISSION SOLUTIONS



Mississippi River

37.771503N 122.212891W @ 15.8m  
Fruitvale Plaza  
International Blvd / Oakland

4/4

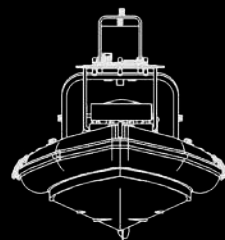
A set of small navigation icons including a magnifying glass, a location pin, and a compass.

# 20 YEARS OF INNOVATION

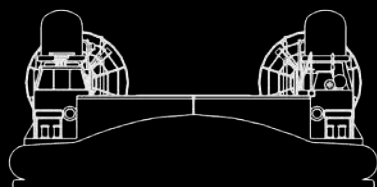
For more than 20 years, Trakka has pioneered Critical Vision Technologies.

Trakka is a global leader in designing, manufacturing, and marketing mission support systems for maritime, airborne, and land operations. We offer a comprehensive range of critical vision solutions to support various missions, including Search & Rescue, Coastal and Border Patrol, and Littoral Combat. Our groundbreaking products are engineered to simplify and enhance missions, including high-intensity multispectral searchlights and gyro-stabilized day/night cameras equipped with high-definition thermal imaging, EO/Day TV, and short-wave infrared capabilities. Completing the total mission solution package is Trakka's in-house developed mission management and recording software. **At Trakka, our mission is to ensure the success of your missions by providing state-of-the-art solutions.**

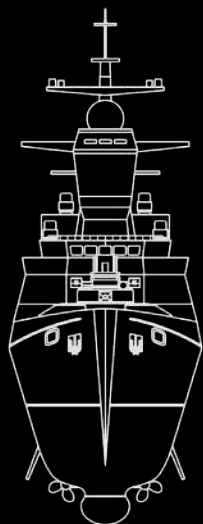
Trakka Total Mission Solutions are available for all classes of vessels.



RHIB's



Coastal Patrol



Deep Water Vessels

# TOTAL MISSION SOLUTIONS

Trakka's Total Mission Solutions offer a range of customizable, user-friendly equipment unmatched in the industry.

Trakka has created the world's first and only **Total Mission Solutions**, consisting of the TrakkaCam®, TrakkaMaps®, and TrakkaBeam®. Designed to seamlessly integrate and operate together our Total Mission Solutions simplify missions, enhance safety, and ensure you **see the total picture**.

Trakka Total Mission Solutions also reduce integration time, minimize interface issues, and offer integration testing before delivery. This approach shortens delivery times, minimizes installation surprises, providing significant benefits to integrators and OEMs.

TrakkaCam



TrakkaMaps



TrakkaBeam



The Trakka TC-300M EO/IR surveillance system, the TM-100 Maps and Video Management software, and the Trakka TLX-M high-powered beam, comprise your Total Mission Solution.



# TRAKKACAM

Trakka's dedication to mission support systems has led to remarkable advancements in our TrakkaCam® TC-300M Series. These MIL qualified, stabilized EO/IR multi-sensor systems are designed to withstand demanding maritime conditions while delivering exceptional performance and functionality.

The TC-300M Series offers versatile solutions for coastal and riverine patrol, search and rescue, illegal immigration, drug interdiction, economic exclusion zone (EEZ) protection, anti-piracy, maritime patrol, naval ISR, naval vessel force protection, and both manned or unmanned platforms and installations.



## TC-300M Series

TRAKKA'S REVOLUTIONARY COMPACT HIGH PERFORMANCE MULTI-SENSORS

- Optimized for maritime operations
- High performance 4-axis active gyro stabilization with integrated 6-axis passive isolation
- Fully integrated IMU/INS/Static Heading sensors providing Geo-Location and Geo Hold, with easy Moving Maps integration
- Compact Single-LRU configuration is easy to install, integrate and requires no junction box
- The TC-300M Series is ITAR free and widely exportable
- MIL-STD & IP tested and capable of withstanding the harshest environments



### TC-375M

- 850mm or 600mm 1280 IR
- Long Range HD EO
- Continuous Zoom SWIR (optional)
- Continuous Zoom HD LLTV (optional)
- Image Blending
- 20km LRF
- LP, LI
- A/T
- MTI

### TC-300M

- 430mm 640 IR
- 300mm 1280 IR
- Long Range 3.2Mp EO
- Image Blending
- 12 or 20km LRF
- LP
- LI
- A/T
- MTI



### TC-300M-S

- 420mm 640 IR
- 300mm 1280 IR
- Med Range 2.37Mp EO (LLTV)
- Image Blending
- 12 or 20km LRF
- LP
- LI
- A/T
- MTI

### TC-300M SWIR

- 640 x 512 Short Wave IR (SWIR)
- 300mm 1280 IR
- Med Range 2.37Mp EO (LLTV)
- Image Blending
- 12km LRF
- LP (optional)
- A/T
- MTI



### TC-300M-UC

- 75mm Uncooled LWIR
- Med Range 2.37Mp EO (LLTV)
- Image Blending
- 12km LRF
- LP
- LI
- A/T
- MTI



# TRAKKABEAM

The TrakkaBeam® TLX-M is a ruggedized, multi-spectral maritime searchlight ideally suited for Coast Guard operations, harbor patrol, anti-piracy measures, hazardous and remote object illumination, and navigation.

Trakka's unique filter technology enhances visibility and object identification in the harshest maritime environments. With advanced Xenon and LED/LEP hybrid technologies, TrakkaBeam® searchlights improve visibility, safety, and operational efficiency in the most challenging environments.



## TLX-M

**TRAKKA HIGH-INTENSITY SEARCHLIGHTS ARE THE MOST TRUSTED SOLUTION FOR CLEAR VISIBILITY IN HARSH ENVIRONMENTS**

- Multi-mission, all weather capable
- Longest range multi-spectral maritime searchlight
- Up to 6 different real-time filters including white light
- Covert IR illumination (for assets with NVG)
- 25% higher intensity and volume of light than previous systems
- Inertially stabilized, instant position recognition and more responsive movement
- DO-160F certified & DO-178 compliant



## TLXc-M

- Multi-Mission, all Weather Capable
- Adds High-Resolution EO/IR Situational Awareness Cameras
- Up to 6 Different Real-Time Filters Including White Light
- Covert IR Illumination (for assets with NVG)

- DO-160F Certified & DO-178 Compliant
- Inertially Stabilized for Enhanced Performance
- Smart Electronics
- Easy Installation and Removal



## TL-360-M

- Reduced Size and Weight for Superior Platform Flexibility
- No Light Drop Off (lamp burnout) For Thousands of Hours
- Upgradeable Performance, Plug-and-Play Expansion

- 1/3 the Power Consumption of Systems in its Class
- Single LRU (requires no External Power Conditioning or Interface units)
- Highest Level of MTBF



Amber Filter - ideal for fog, rain and humidity



Blue Filter - better for penetrating water



Covert IR Filter - read ships registration at night

## Real-time filter selection

- Covert IR (NVG visible)
- Visible Red
- White Light
- Amber
- Blue
- Green



# TRAKKAMAPS

TrakkaMaps® TM-100 is a powerful Map & Video Management System that seamlessly integrates with Trakka's advanced camera and searchlight systems, providing a comprehensive solution for mission management.

With its flexible architecture and compatibility with various computer platforms, including notebooks and ruggedized laptops, TrakkaMaps TM-100 offers both customization and affordability. Its intuitive interface, featuring multiple map views and augmented reality overlays on live video, allows users to control camera and searchlight movements to precise locations using touchscreen controls, mouse clicks, addresses, or coordinates.

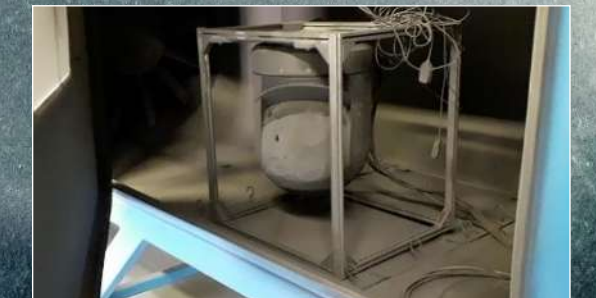
- Runs on a variety of computer platforms, including notebooks and ruggedized laptops
- H.264/H.265 video streaming over Ethernet (MISB 0601.7 Compliant)
- Integrated video and audio recording
- 3d Map View, NOAA Charts, and Satellite Views
- Displays vessel position and where the camera is looking
- Point by click to LRF geo-location, map pin, or manual coordinate input
- Controls the gimbal and sensors



# BUILT TO ENDURE

Trakka's products are meticulously designed and engineered to withstand the most challenging environments. We ensure that our products not only meet but exceed the most rigorous requirements.

By closely collaborating with multiple regulatory authorities, we have achieved the highest certifications in design, production, and service, including ISO and AS9100 standards. This dedication to excellence guarantees that our customers receive products of unparalleled quality and performance.



Through rigorous water penetration, saltwater corrosion, ice, and sand testing we ensure our products can perform in the same conditions you do.



# UNIVERSAL JOYSTICK CONTROLLER

Trakka's new ergonomic universal hand controller integrates all controls for the TrakkaCam and primary controls for the TrakkaBeam into one easy-to-operate joystick controller for comfortable 24/7 operations.



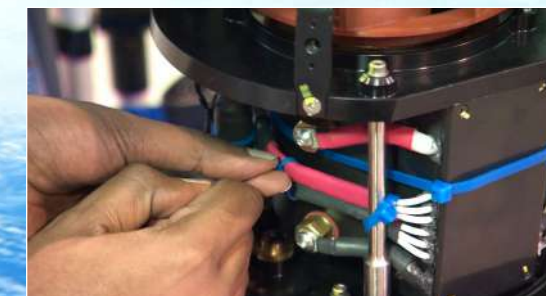
*Universal hand control only available with Trakka Total Mission Solutions.*

# SERVICE & SUPPORT

With service facilities in the United States, Australia, Europe, Africa, the Middle East, and Asia, we offer industry-leading delivery and turnaround times. Trakka support provides users with a single designated Service Station, eliminating the need for multiple stations worldwide, which is ideal for Total Mission Solution customers. We also offer comprehensive maintenance training that covers all products, resulting in significant cost savings.

Trakka's products are designed to meet and exceed the aviation industry's most stringent requirements, and we work closely with various aviation regulatory authorities, including CASA, FAA, and EASA, to achieve the highest design, production, and service certifications as well as certification of ISO and AS9100 standards.

Visit [trakkasystems.com/total-mission-solutions](http://trakkasystems.com/total-mission-solutions) to learn more about our Total Mission Solutions and our entire line of Critical Vision Technologies.





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