



A I R B O R N E

# TOTAL MISSION SOLUTIONS

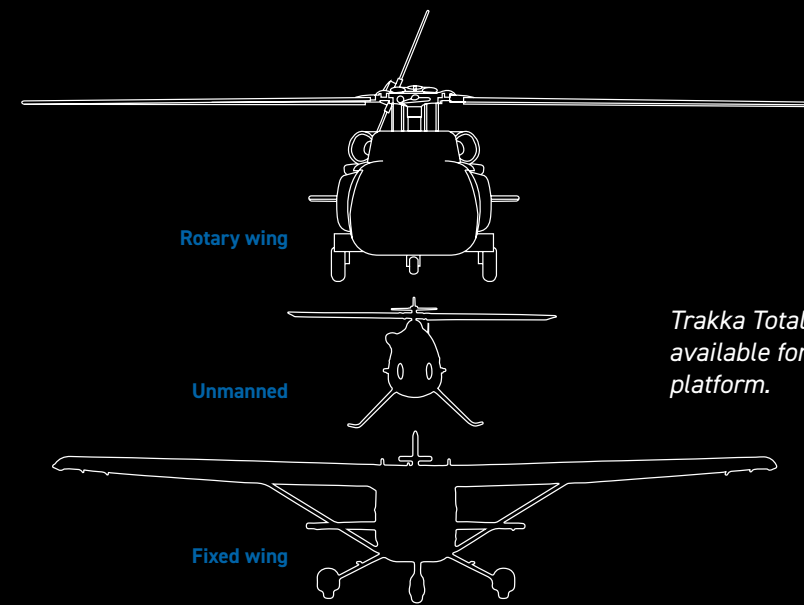
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# 20 YEARS OF INNOVATION

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

Trakka is a global leader in the design, manufacture, and marketing of innovative Airborne, Land, and Maritime mission support systems. We offer a wide range of critical vision solutions to support a variety of missions, including Law Enforcement, Search & Rescue, Border Security, Military Force Protection & ISR, Emergency Medical Services, Utility Inspection, and Environmental Surveys. Trakka provides ground-breaking products, engineered to simplify and enhance your critical missions: high-intensity searchlights; integrated mapping management software; and gyro-stabilized day/night cameras with thermal imaging, UV detection, and infrared capabilities. **Simply put, our mission is to ensure the success of your mission.**



Trakka Total Mission Solutions are available for nearly any airborne platform.



Washoe County Sheriff - RAVEN

# TOTAL MISSION SOLUTIONS

Trakka's unparalleled Total Mission Solutions offer a customizable range of user-friendly equipment.

Our singular focus to enhance your mission capabilities enabled Trakka to develop **the world's first and only** Total Mission Solutions, consisting of the TrakkaCam, TrakkaMaps, and the TrakkaBeam. Each product is designed to integrate and work together seamlessly, simplifying your mission and ensuring you **see the total picture.**



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



# TRAKKACAM

Trakka's 20+ years of producing mission support systems have advanced our product performance and functionality, minimized size and weight, and improved mission safety.



## TC-300 Series

### THE NEW GENERATION OF COMPACT HIGH PERFORMANCE MULTI-SENSORS

- Performance better than 10" competitors and approaching that of larger systems
- High performance 4-axis active gyro stabilization with integrated 6-axis passive isolation
- Fully integrated IMU/INS providing Geo Location and Geo Hold, with easy Moving Maps integration
- Compact Single-LRU configuration
- Non-ITAR exportable product
- RTCA DO-160 & MIL-STD tested for Environmental, Electromagnetic and Mechanical compliance



High Definition Thermal Imaging



High Definition Electro Optical



Thermal Color Palattes



### TC-375

- 850mm 1280 IR
- Long Range 3.2Mp EO
- Med Range 2.37Mp EO (LLTV)
- 20km LRF
- LP
- LI
- A/T
- Image Blending
- MTI



### TC-3375-SWIR

- 600mm 1280 IR
- 640 x 512 Short Wave IR (SWIR)
- Long Range 3.2Mp EO
- LP
- LI
- A/T
- Image Blending
- MTI



### TC-300

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



### TC-300-S

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



### TC-300 SWIR

- 420mm 640 IR
- 640 x 512 Short Wave IR (SWIR)
- 300mm 1280 IR
- Med Range 2.37Mp EO (LLTV)
- 12km LRF
- A/T
- Image Blending
- MTI



### TC-300-UC

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



Picture in Picture



Augmented Reality



Moving Maps



# TRAKKABEAM

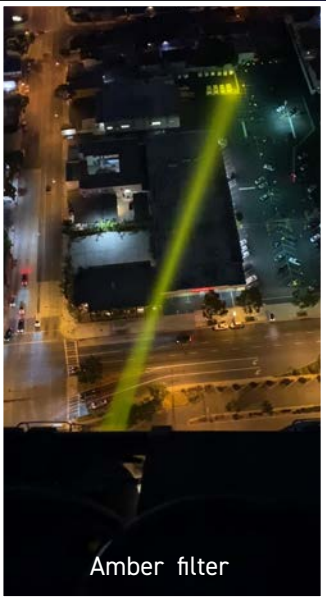
Trakka's latest generation of searchlights are in a class of their own. Utilizing a unique Xenon technology, our systems provide a more intense and stable beam with half the power consumption of previous systems. The aerodynamic design and light weight eliminate the need for a counterweight, even with side mounted systems. Capable of full brightness in one-second flat, our TrakkaBeam products keep your surveillance missions from ever being in the dark.



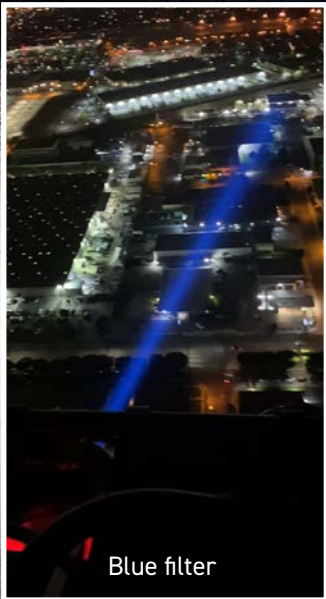
## TLX

### MISSION INTEGRATION WITH UNPRECEDENTED ACCURACY

- 25% higher intensity and volume of light across the beam
- Up to 5 different real-time filters, plus white light
- Inertially stabilized for enhanced performance and ease of use
- DO-160F certified & DO-178 compliant
- System interoperability with most A800 models (backwards compatible for easy upgrade path)
- Instant position recognition and faster, more responsive movement



Amber filter



Blue filter

## TLXc

- Multi-mission capable
- Adds high-resolution EO and IR situational awareness cameras
- Aerodynamic design and low parasitic drag
- DO-160F certified & DO-178 compliant
- Highest level of MTBF
- Easy installation and removal
- Smart electronics
- NVG compliant



## A800

- Multi-mission capable
- Reduced weight and lower power consumption
- Aerodynamic design and low parasitic drag
- DO-160F certified & DO-178 compliant
- Highest level of MTBF
- Easy installation and removal
- Smart electronics
- NVG compliant



## Real-time filter selection

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





# UNIVERSAL HAND GRIP

Trakka’s new universal hand control grip integrates all controls for the TrakkaCam and primary controls for the TrakkaBeam into one easy-to-operate, ergonomic grip that fits comfortably in the palm of your hand.

Camera Controls



Universal hand grip only available with Trakka Total Mission Solutions.

Lamp On/Off

Slave On/Off

Zoom

Filter Selection

# TRAKKA MAPS

Trakka’s TM-100 Map and Video Management System perfectly complements Trakka’s suite of advanced camera and searchlight systems.

- Runs on a variety of computer platforms, including notebooks and ruggedized laptops
- H.264 video streaming over Ethernet (MISB 0601.7 Compliant)
- Integrated video and audio recording
- 3D Map View, Street Maps and Satellite Views
- Displays aircraft position and where the camera is looking
- Slaves the camera and TLX Searchlight to anywhere on the map (Point by Click, LRF, Address, Intersection or Coordinates)
- Controls the gimbal and sensors

## Ruggedized Tablet

- Optional keyboard
- Carry-on equipment



## Mil-Spec PC

- With NVG compatible keyboard





# TRAKKABEAM ACCESSORIES

Trakka also offers a complete range of accessories to help you get the most functionality and flexibility from our TrakkaBeam searchlights for your mission.

## Trakka Control Panel (TCP)

- NVG Compliant
- Optional control joystick
- Dzuz Mounted
- LED visual display
- 3-way user selectable (Pilot/Co-Pilot or Crew)



## Trakka Laser Pointer (LP)

- Mounted to the searchlight
- Easily removable
- 830nm
- Class 3b
- <5mW



## Trakka Control Interface Unit (CIU)

- Interface for Analog or Discrete
- Interfaces with existing cyclic collective controls
- Compact design
- Allows for custom cockpit inputs of all functions



# SERVICE & SUPPORT

With service facilities in the United States, Australia, Europe, Africa, the Middle East and Asia, we offer industry-leading delivery and service turnaround times. We also have dedicated manufacturing facilities in Australia, the USA and Sweden.

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



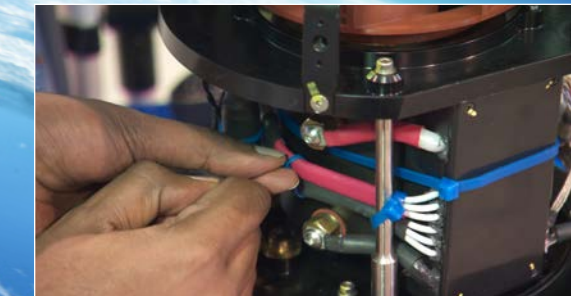
DO160F

DO178  
Level D  
Compliant



CASR Part 21  
Sub Part  
K - APMA

Part 145  
Repair  
Station in  
USA







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