



A I R B O R N E

# TOTAL MISSION SOLUTIONS

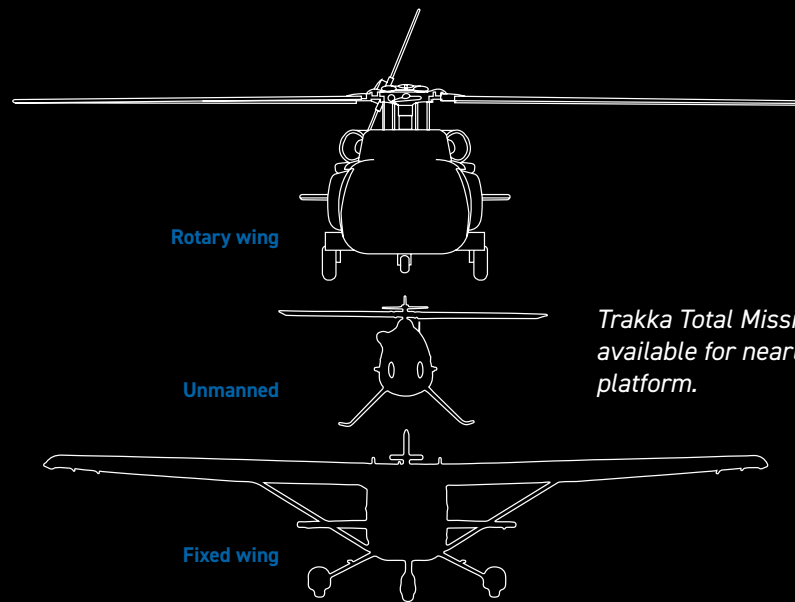
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# 20 YEARS OF INNOVATION

With over 20 years of experience, Trakka is a global leader in developing Critical Vision Technologies.

We specialize in designing, manufacturing, and marketing innovative mission support systems for Airborne, Land, and Maritime applications. Our comprehensive range of critical vision solutions support a variety of missions, including Law Enforcement, Search & Rescue, Border Security, Military Force Protection & ISR, Emergency Medical Services, Utility Inspection, and Environmental Surveys. Our ground-breaking products are engineered to simplify and enhance critical missions, featuring high-intensity searchlights, integrated mapping management software, and gyro-stabilized day/night cameras with thermal imaging, UV detection, and infrared capabilities. **At Trakka, 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 with Total Mission Solution

# 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 line up of **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 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.



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 unwavering dedication to mission support systems over the past two decades has propelled the performance and functionality of our TrakkaCam® stabilized EO/IR multi-sensor to extraordinary heights.

We have achieved remarkable advancements by significantly reducing the size and weight of the system while simultaneously enhancing mission safety to unprecedented levels. The TC-300 series showcases an aerodynamic design that surpasses all previous standards for compact, high-performance, multispectral imaging.



## TC-300 Series

### TRAKKA'S REVOLUTIONARY 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 Palettes



Picture in Picture



Augmented Reality



Moving Maps



### TC-375

- 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-300

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



### TC-300-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-300-R

- Radiometric LWIR (Cooled or Uncooled Detector)
- Med Range 2.37Mp EO
- 3km LRF
- A/T



### TC-300 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-300-UC

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





# TRAKKABEAM

TrakkaBeam® revolutionizes lighting solutions with groundbreaking capabilities, efficiency, and versatility.

With advanced Xenon and LED/LEP hybrid technologies, TrakkaBeam® products deliver brighter and more consistent illumination while significantly reducing power consumption from older generation systems. Enhancing visibility, safety, and operational efficiency in challenging environments Trakka high-intensity searchlights are the most trusted solution to illuminate your world like never before.



## TLX

### GROUNDBREAKING CAPABILITIES WITH UNPRECEDENTED ACCURACY

- 25% Higher Intensity and volume of light across the beam than previous systems
- Up to 6 different real-time filters, including white light
- Covert IR illumination (for assets with NVG)
- Inertially stabilized, instant position recognition with faster, more responsive movement
- System interoperability with most A800 models (backward compatible for easy upgrade path)
- DO-160F certified & DO-178 compliant



Amber Filter



Blue Filter

### Real-time filter selection

- Covert IR (NVG visible)
- Visible Red
- White Light

- Amber
- Blue
- Green



## TLXc

- Multi-Mission Capable
- Adds High-Resolution EO and 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

- 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



## A800

- MIL-STD Tested and DO-160F Certified & DO-178 Compliant
- Multi-Mission Capable
- Reduced Weight and Lower power consumption
- Up to 6 Different Real-Time Filters Including White Light
- Covert IR Illumination (NVG compliant)
- Aerodynamic Design
- Highest Level of MTBF
- Easy Installation and Removal
- Smart Electronics









# TRAKKABEAM ACCESSORIES

Trakka also provides a comprehensive selection of accessories designed to maximize the functionality and flexibility of our TrakkaBeam searchlights for your mission.

These accessories are specifically tailored to enhance performance, expand usage capabilities, and ensure optimal operation in various scenarios.

## Trakka Control Panel (TCP)

- NVG Compliant
- Optional Control Joystick
- Dzus 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 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 full line of Critical Vision Technologies.



DO160F

DO178  
Level D  
Compliant

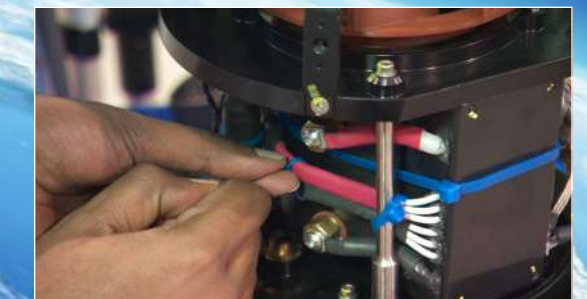


CASR Part 21  
Sub Part  
K - APMA

Part 145  
Repair  
Station in  
USA



EASA.21G.0060







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