SUPERIOR IMAGE QUALITY, MISSION-CENTRIC FOCUS

Rugged, battle-proven imaging systems with the lowest SWaP in the industry

Airborne TASE imaging systems for law enforcement
TASE500

Advanced multi-spectral imaging system featuring 4 axis stabilization, all-HD color, low light and MWIR sensors

- HD Imaging performance gives operators improved situational awareness and superior image quality
- All-Digital Imaging Chain for maximizing processing capability and reducing complexity with consistent image quality across video displays
- Onboard Video Enhancements for customizable look and feel (overlays) allows operator to be more efficient and design output for your mission
- Interoperable with popular augmented reality mapping systems
HD Imaging Performance

- HD solution for improved image quality and clarity
- Full digital imaging enables advanced post processing and third party exploitation tools and no compression artifacts
- Fourth Generation HD-MWIR imager for superior IR imaging at long ranges, including local area processing and noise reduction filter
- Precision optics for maximum image sharpness and clarity
- Integrated GPS/INS provide accurate target coordinates and aircraft location

Best Value

- Lowest cost with fully integrated features for best value in the industry. Less impact to air support budget without compromising quality or performance
Mission-Centric Advanced Imaging Systems

- Battle proven advanced imaging performance gives operators improved situational awareness and superior imagery
- All-Digital Imaging Chain for maximizing processing capability, reducing cost and complexity with consistent image quality across video displays
- Onboard Video Enhancements for customizable look and feel (overlays) allows operator to be more efficient and design output for your mission
- Low weight, low cost with fully integrated features

Superior Imaging Performance

- HD/SD options for excellent image quality and clarity
- Integrated GPS/INS provides accurate target coordinates and aircraft location
- Full digital imaging enables advanced post processing, third party exploitation tools, and no compression artifacts

Designed for the Mission

- TASE Imaging systems are designed and delivered as a complete, fully integrated system. Our solutions are packed with the features and functionality required by today’s Airborne Law Enforcement Mission – delivering advanced (yet simple) functionality, superior video processing, and mission-centric features
TASE Day & Night Imaging Systems

**TASE400**
Advanced Day and MWIR Night Imaging
- Diameter: 7 inches
- Height: 10.5 inches
- Weight: 8.0 lbs.

**TASE400 HD**
Daylight HD with MWIR Night Imaging
- Diameter: 7 inches
- Height: 10.5 inches
- Weight: 8.0 lbs.

**TASE400 LRS**
Long Range Day and MWIR Night Imaging
- Diameter: 7 inches
- Height: 10.5 inches
- Weight: 9.0 lbs.

**TASE Daylight Imaging Systems**

**TASE400 DXR**
Extended Range Daylight Imaging
- Diameter: 7 inches
- Height: 10.5 inches
- Weight: 8.25 lbs.

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**Best Value**

- Lowest cost with fully integrated features for best value in the industry.
- Less impact to air support budget without compromising quality or performance.
**TASE500 HD**  
Advanced Multi-Spectral  
10" diameter, 4 axis stabilized imaging platform, built in GPS/INS and tri band, full digital HD imagers (EO/MWIR) for day, night and obscurant penetration with a total system weight of under 37 lbs.

**TASE400 LRS**  
Long Range Day and MWIR Night Imaging  
7" diameter, 2 axis stabilized, High Definition EO spotter and SD MWIR with continuous zoom integrated GPS/INS and onboard video processing with H.264 digital video output

**TASE400 DXR**  
Extended Range Daylight Imaging  
7" diameter, 2 axis stabilized, High Definition EO spotter and SD zoomable EO with integrated GPS/INS and onboard video processing with H.264 digital video output

**TASE400 HD**  
Daylight HD with Night MWIR Imaging  
7" diameter, 2 axis stabilized, High Definition EO and SD MWIR with continuous zoom, integrated GPS/INS and onboard video processing

**TASE250 LWIR**  
Compact Lightweight EO/LWIR  
5.5" diameter, 2 axis stabilized, EO and LWIR Imaging, Integrated GPS/INS and onboard video processing with optional laser pointer
Advanced Functionality & Video Processing

All TASE imaging systems include advanced onboard Video Processing (VPS) which include several mission-critical functions:

- **Object-Tracking**: The TASE camera will autonomously track selected objects such as moving vehicles or persons within a user adjustable track-box. Object-Tracking can be enabled via touch-screen or hand-controller commands.

- **Scene-Steering**: The TASE camera will automatically follow the selected image “scene”, greatly reducing the camera operator’s workload.

- **Geo-Point**: Operators can command the TASE camera to point to a specific GPS coordinate on the ground, such as an intersection or point on a map.

- **Picture-in-Picture**: TASE systems can display video from multiple cameras simultaneously in a user-configurable picture-in-picture, allowing operators to view daylight and thermal imagery, or narrow and wide fields of view, at the same time.

- **Custom Video Overlays**: TASE imagery includes selectable user-defined overlays including aircraft and target coordinates, target range, camera field of view, date and time, and north indicator, all with user-selectable font size and color.

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Integrated Solution with Mission-Centric Features

Included with all TASE imaging systems is the Viewpoint User Interface Tactical PED (Processing, Exploitation, and Dissemination) Software. Viewpoint is a feature-rich UI enabling improved operator efficiency and simplified camera system operations. Some key features delivered within Viewpoint include:

- **Simplified & Flexible TASE Camera Control**: Via hand-controller, touchscreen or keyboard commands.

- **Integrated DVR**: Includes play back and video export tool.

- **Integrated Full Featured Moving Map**: Customizable map layers, interest-points, and 3-dimensional georeferenced video-on-map.

- **Snapshot & Geo-Stamp**: Allows the operator to easily designate an item of interest, with the item location noted on the map and a snapshot image saved in a separate recording file.