

TerraScout™ MultiFunction

Mobile Surveillance System

In today's unpredictable times, advanced surveillance for high-level threat situations is a priority. TerraScout™ MultiFunction is an advanced mobile persistent surveillance system that features real-time video, processing, stabilization and fusion, which enables its user to detect threats and control situations. Equipped with electro-optical, multi-band image fusion, the system provides situational awareness and actionable information—giving users the advantage of real-time decision-making.

Capabilities

- **Dual-Band Camera System**
 - High resolution LWIR (640x480) dual FOV lens
 - Two point zoom LWIR with magnification aligned between two cameras
 - 70% human recognition at 1000m
 - IR image saturation compensation
 - Automatic or manual gain/level control
 - Motorized, fine focus
 - High powered 200 mW laser designator (635 nm)
- **Visual Processing**
 - Acadia, 2-band Image fusion
 - 5-axis hybrid electromechanically elevated mobile image stabilization
 - Video and data available via NTSC interface and a USB slave port
- **Geo-location**
 - Provides specific target location
- **Network Connectivity**
 - Seamless growth capability
- **Slew to Cue**
 - Integration with future system
- **Stealth Observation Mast Deployment/Retraction**
 - No auxiliary power needed
 - Safely deploys/retracts with crew inside
 - Extends up to 25' from ground level
 - 1ft/second deployment rate
 - Emergency retraction
 - High voltage power line detection
 - Survival wind speed 100mph
 - Operating temperature -32C° to +49°C
- **Display**
 - High brightness display
 - Sunlight readable (1000 NITS)
 - Built in MPEG4 solid-state DVR with eight hour recording capacity
- **Single Point User Controls can be Operated from the Inside of a Vehicle**
- **Durability**
 - Military grade ruggedized all-weather (IP67) components

Area Security and Threat Detection... When and Where You Need It



- **Vibration Isolation**
 - 3-axis mechanical vibration isolation
- **Provides Continuous System Health Monitoring**
- **Quick Setup**
- **Adaptable**
 - Easily installed on most vehicles

Applications

- **Perimeter Security**
 - Nuclear facilities
 - Power plants
 - Borders
 - Ports
- **Event Security**
 - Stadium security
 - Community events
 - Riot control
- **Law Enforcement**
- **Crime Scene Investigation**
- **Zone Surveillance**
- **Critical Infrastructure Construction**



Example of IR-Visible Fusion



With IR-Visible fusion, subjects in shadow and in direct light are equally visible and can be tracked.

TerraScout System Components



TerraScout camera shown on retracted mast.



TerraScout rugged processor box, touchscreen display with DVR, and control pad.

Contact Us

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