

*Actionable Surveillance  
Information...  
on the Move*



When perimeter security is a priority, portable surveillance is crucial. TerraScout™ is an advanced mobile surveillance system that features mobile video stabilization, which enables users to precisely survey their surroundings and ensure area security day and night. Using high-resolution 5-axis stabilized infrared/visible zoom imaging, it provides advanced situational awareness and mobility— providing users the ability to accurately understand their environment and effectively operate within it.



## 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

- 5-axis hybrid electromechanically elevated mobile image stabilization
- Video and data available via NTSC interface and a USB slave port

### » 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 -32°C 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

### » Provides Continuous System Health Monitoring

## Applications

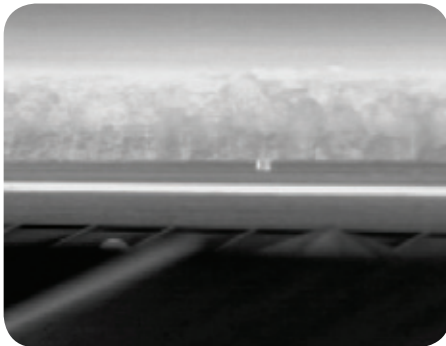
- » **Perimeter Security**
  - Nuclear facilities
  - Power plants
  - Borders
  - Ports
- » **Event Security**
  - Stadiums
  - Community events
  - Riot control
- » **Law Enforcement**
- » **Zone Surveillance**
- » **Critical Infrastructure Construction**

## TerraScout Zoom Capability



70% human recognition at 1000m

## Example of IR Imagery



White-hot view of subjects walking along horizon.

## TerraScout System Components



TerraScout camera shown on retracted mast.



TerraScout rugged processor box, touch-screen display with DVR, and control pad.