



# Long-Range Advanced Scout Surveillance System

## LRAS3



The Long-Range Advanced Scout Surveillance System allows Army scouts to conduct 24-hour reconnaissance and surveillance missions outside threat acquisition engagement ranges.

### Benefits

- Detect targets outside direct-fire range
- Conduct 24-hour reconnaissance and surveillance missions
- Identify and pinpoint targets before they become threats
- Use mounted on HMMWV or Stryker armored vehicle
- Use dismounted on tripod

### Long-Range Surveillance

The LRAS3 is a long-range multi-sensor system for the U.S. Army scout, providing the real-time ability to detect, recognize, identify and geo-locate distant targets. The LRAS3 is the premier ground combat reconnaissance and surveillance system on the modern battlefield.

### Greater Standoff Range

The LRAS3 enables Army scouts to conduct 24-hour

reconnaissance and surveillance missions, remaining outside threat acquisition and engagement ranges. The LRAS3 replaces obsolete systems that require scouts to close within direct fire range of the threat they seek to detect.

### Versatility

The LRAS3 is deployed on the High-Mobility Multi-purpose Wheeled Vehicle (HMMWV) and the Stryker armored

vehicle in its mounted configuration, and can be used on a tripod for dismounted missions.

### Precision

This sensor provides precise far-target location by incorporating an advanced second generation Forward-Looking Infrared (FLIR) sensor, a Global Positioning System interferometer, an eye-safe laser rangefinder and a Day TV (DTV) camera.

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## Milestones

- Over 700 systems delivered
- Combat-proven performance
- Demonstrated reliability
- Fire support/forward observer variant (FS3)
- Enhanced electronics upgrade (Block 1) with outstanding FLIR image quality including local area processing capability

## Features

- Standard Advanced Dewar Assembly (SADA II) detector technology
- Common aperture reflective optics
- 2x/4x electronic zoom
- Frame integration and local area processing
- Standard RS-170 video output
- 1553 data bus
- Compressed digital video port
- FBCB2 communications
- Biocular display
- Improved Target Acquisition System (ITAS) common operator interface
- Embedded Global Positioning System (GPS) Interferometer
- Selective Availability Anti-Spoofing Module (SAASM) compliant
- Dismounted configuration
- Digital battlefield connectivity
- Laser designation capability [Fire Support Sensor System (FS3) variant]



## Specifications

### Second generation HTI FLIR:

WFOV:	8.0 × 4.5 degrees (16:9)
NFOV:	2.6 × 1.5 degrees (16:9)

### Far-target location system:

60 m CEP at 10 km

### Laser Rangefinder:

Eyesafe: ±5 meter accuracy

### Day TV sensor:

WFOV:	6.0 × 4.5 degrees (4:3)
NFOV:	2.0 × 1.5 degrees (4:3)



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