

EO950

Multi-Feed Turret

High-magnification dual-stream imagery
for superior decision-making



UNMANNED AIRCRAFT SYSTEMS

KEY BENEFITS & FEATURES



EO950 combines the precision of an EO imager with the power of a high-definition telescope to deliver simultaneous views of a surveillance area, so you can keep site of a target with increased situational awareness.

Developed and produced in collaboration with Hood Technology Corporation.

Multi-imager, multi-feed (MIMF)

Electro-optical (EO) telescope and zoom imagers are independently controlled but transmitted through simultaneous digital feeds, allowing the operator to maintain high level situational awareness with detailed target inspection.

Maximum imager effectiveness

- Overlapping fields of view enable smooth and efficient transition between imagers.
- Follow moving targets with telescope while positioning zoom imager to reacquire if track is lost.
- “Night Shot” mode on zoom imager enables near IR operations for low light scenarios (sunrise or sunset) as well as visualizing compatible IR Markers from other Insitu/Hood Technology Corporation payloads.

Higher quality image feed

- Greater resolution range.
- Embedded video processing, including image stabilization and target tracking.
- Fully digital feed with larger format imagery allows higher network communication.

Ultimate flexibility

- Supported on all Insitu aircraft platforms
- Maintains low SWAP even with dual feed
- Supports ScanEagle serial communication and analog video output
- Integral Alticom Vision Network (AVN) supports networked communication
- Forward looking dome increases field of regard and enables additional weather clearing, increasing operational flexibility.



1.3 MILLION
FLIGHT HOURS

50
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FAMILY OF
SYSTEMS

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EO950 Multi-Feed Imager

Simultaneous situational awareness
and detailed target inspection



Supported on all Insitu aircraft platforms

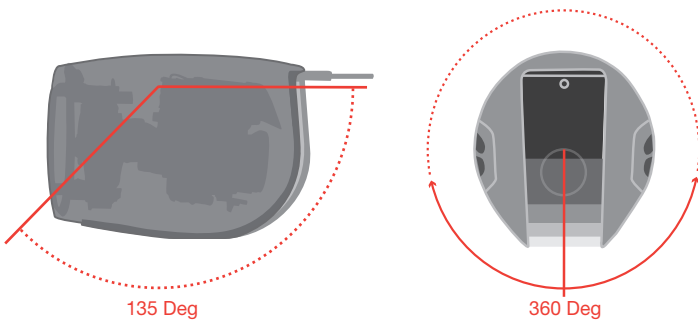


ScanEagle3



Integrator Extended Range

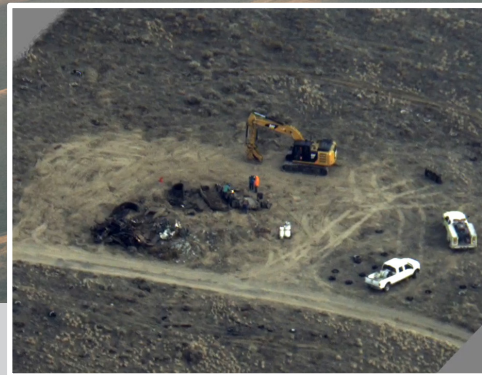
Forward-looking dome increases field of regard



SPECIFICATIONS



Simultaneous Digital Feeds



EO ZOOM IMAGER

- Wavelength: 400–900 nm
- Horizontal Field of View: 1.2–48 deg
- Digital Zoom: .5X to 2X
- Output format: 960 x 720 pixels



EO TELESCOPE

- Wavelength: 400–650 nm
- Field of View: 0.22–1.1 deg
- Digital Zoom: .2X to 2X (Averaging 12MP Sensor Pixels into 640 x 480 Frame)
- Output format: 960 x 720 pixels
- Focal plane array: 4000 x 3000 pixel (12 MP)