



# Dual Imager

**Electro-optical and mid-wave infrared (MWIR) imagery in a single sortie.**

Dual Imager combines an EO imager with an MWIR thermal camera to capture real-time daytime and nighttime intelligence without interrupting the mission. Operators are able to control the zoom level of each imager independently, and autonomous object tracking and picture-in-picture view let users quickly identify objects of interest and maintain positive identification for both stationary and moving targets. EO/IR imagery blending improves daytime and nighttime image interpretation for enhanced situational awareness.

## KEY FEATURES

- › Combines the capabilities of an electro-optical (EO) and a mid-wave infrared (MWIR) imager in one turret.
- › Picture-in-picture view.
- › EO/IR imagery blending.
- › Independent zoom for each imager.
- › Autonomous object tracking in both views.
- › Laser marker (optional).
- › Embedded Alticom Vision™ imaging system that eliminates in-flight vibrations.

## SPECIFICATIONS

### GIMBAL

- › Tilt: 80° forward; 45° back
- › Roll: Endless 360°
- › Slew rate: 45°/sec
- › Capability: MWIR imager, EO imager and optional laser marker

### Imagers

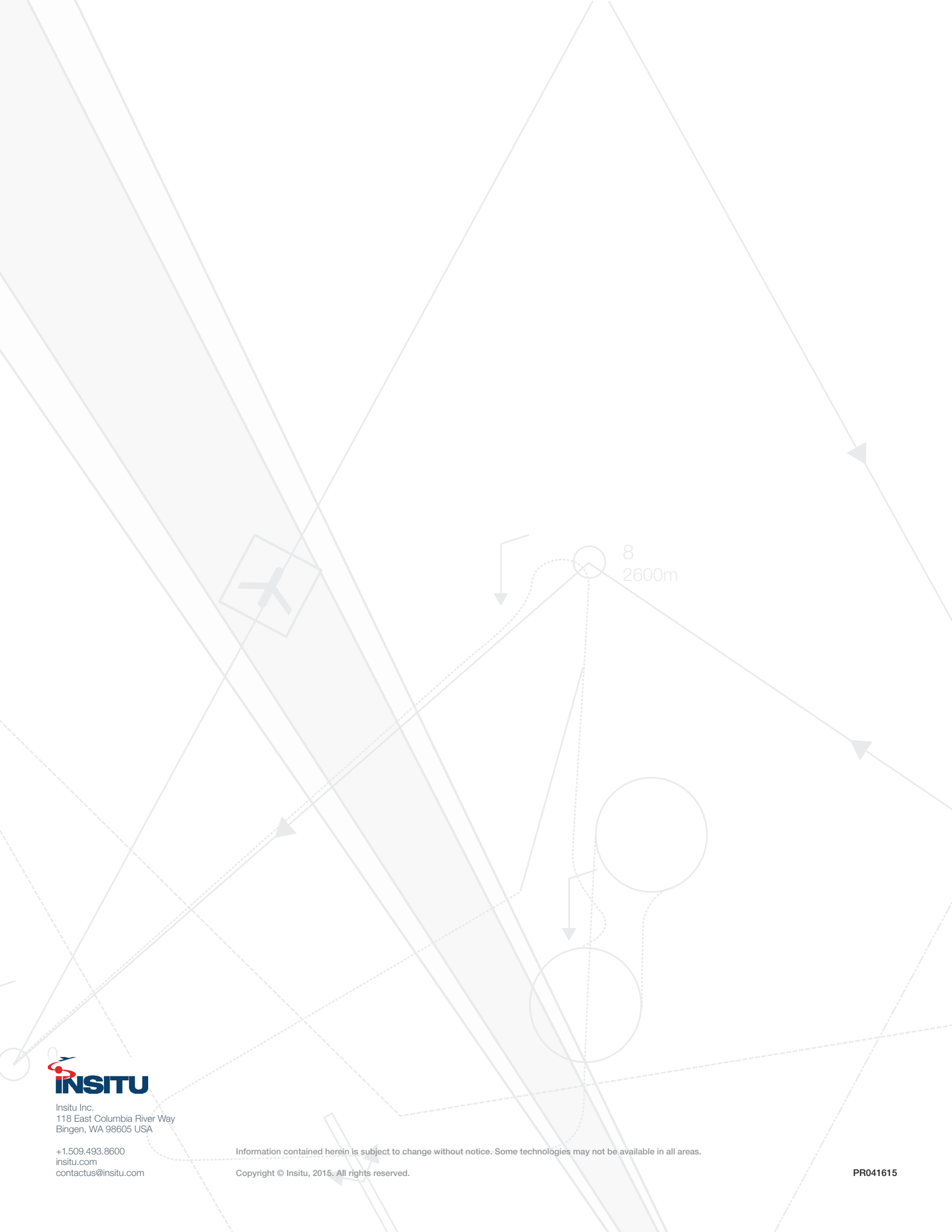
	MWIR	EO
Wavelength	3–5 $\mu\text{m}$	400–1,000 nm
Horizontal field-of-view	2°–25.6°	1.1°–25°
Zoom	12.5x continuous	36x continuous
Pixels	640 x 480	720 x 480

### LASER MARKER

830 nm, 150 mW, 1.0 mrad

\*Dual Imager is designed and produced by Hood Tech Corp, Vision Inc.

 Class 3B laser product. Invisible laser radiation. Avoid exposure to beam.



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