



Defense and intelligence organizations must analyze enormous quantities of data on short timelines to effectively scale geospatial monitoring for mission success. Unfortunately, for some missions, human analysis is neither scalable nor practical. Tactical leaders need automated alerts, not manual reports, to discover key changes in enemy assets or the mission environment. For effective mission intelligence, planning and execution, BlackSky leverages breakthroughs in machine learning and artificial intelligence and delivers automated insight and indicators.

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### Detect for infrastructure, ports and airfields

Detect provides automated analysis of vessels, ports, aircraft, airfields and buildings.

- Determine pattern of life through consistent revisits
- Assess health of infrastructure
- Validate intelligence and insights gathered from other systems
- Detect buildings in urban, suburban and remote locations
- Detect, classify and count aircraft and vessel types (medium and large)
- Quantify activity at airfields and ports
- Measure motion, speed, heading and other attributes of aircraft at airfields and vessels at port
- Predict vessel locations based upon their speed and heading
- Set alerts for changes in activity

# DETECT SPECIFICATIONS

Automatically understand objects at important locations.

	<b>Detect</b>
Collection to delivery	90 minutes <sup>1</sup>
Revisit	60 minutes <sup>1</sup>
Detect classification for medium and large aircraft	Military, civilian Fighter, bomber, cargo, helicopter, other
Detect classification for medium and large vessels	Military, civilian Cargo, container, LNG, oil tanker, passenger cruise, bulk carrier, barge, tugboat, small vessel, aircraft carrier, submarine, cruisers and surface warfare, surface combatant, support craft, military other
Detect output for buildings	Building outline
Motion attributes	Feature type/subtype Military, civilian category Confidence Area Motion start time Average speed Heading Behavior (acceleration, deceleration, stationary)
File formats	GeoJSON, GeoTIFF
Available in Archive	Yes

<sup>1</sup> Timelines are subject to change and vary by customer and architecture.

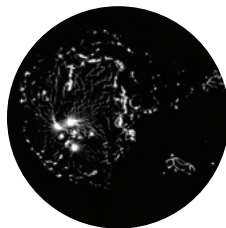


**Haeju, North Korea**  
Detect reported changes in number and position of vessels at Naeju Naval Base.

## Explore BlackSky products



**Daytime**  
Get insights in time to decide



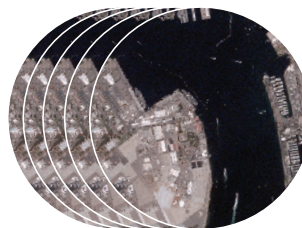
**Nighttime**  
See activity after dark



**Area 2x1**  
See larger areas



**Stereo**  
Build your own 3D products



**Burst**  
Analyze motion

To learn more about how BlackSky can help your organization, contact [sales@blacksky.com](mailto:sales@blacksky.com) or visit [blacksky.com](https://blacksky.com).

