

**INTERMAP**  
Answers Now™

# Patrol & Monitoring

## Threat identification answers

### Reveal hidden dangers

Intermap Technologies® provides custom aerial radar data collection services to aid defense organizations in identifying threats in strategic deployments. Intermap leverages its proven airborne interferometric synthetic aperture radar (IFSAR) technology to deliver the largest coverage in your area of interest to provide decision makers with actionable information. Mapping entire regions in hours enables you to make strategic decisions with your personnel and resources without waiting for small remote sensors to cover a large area.

### Key Benefits & Features



#### All-Weather Acquisition

Data collection, day or night, in any weather or cloud coverage.



#### Fast, Wide-Area Coverage

Large mapping footprint provides 20x larger scope than air photo methods.



#### Foliage Penetration

P-band imagery uses a frequency unblocked by foliage to reveal hidden information.



#### Change detection

Mapping areas of any size, in a deterministic time frame, removing project uncertainty.



#### Near Real-time Information

Detection of threats and imagery delivered within minutes of collection.



#### Side Looking Collection

Map areas across borders while remaining in safe airspace.

## IFSAR Technology

Intermap's IFSAR data collection services are an ideal solution when you need stealth collection that produces large amounts of information. We provide accurate high-resolution, radiometrically balanced images, and supplemental thematic layers that are best suited for your operational requirements. IFSAR is optimal for imagery collection and change detection without the dependence on weather or cloud. Intermap has extensive experience in collecting IFSAR in adverse environments around the world.

## Applications

- **Patrol borders** – On-demand high-altitude imaging over a border or defined area
- **Detect Changes** – Near real-time identification of changes in your AOI by creation of change data layer
- **Search and Deploy** - Wide area collection and subsequent focused deployment of ultra-high-resolution platforms
- **Detect under canopy** – Detection of under-canopy objects
- **Buried Objects** – Partial penetration of the ground by P-band imagery enables visualization of objects buried under the ground surface
- **Ground Moving Target Indication** – Determine the direction and velocity of objects moving in image swath

Item	Specification
Frequencies	9.65 GHz / 340 MHz
Operational altitude	Up to 38000 ft
Operational speed	220 m/s (440 knots)
Image swath	Up to 14Km
Standoff	Up to 25Km
Resolution	25cm imagery X-band 83cm imagery P-band
Collection rate	Up to 20,000 sqKm/flight

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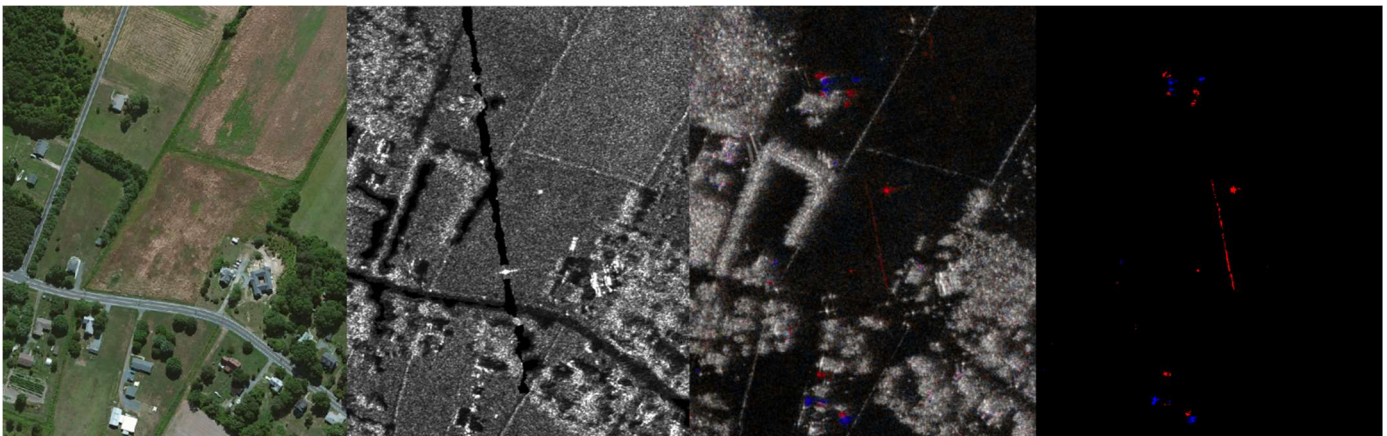
Visit [www.intermap.com](http://www.intermap.com)  
or call +1 (303) 708-0955  
for more information.

Intermap Technologies® is an industry leader serving a diverse geospatial marketplace. We provide highly accurate geospatial information to help commercial enterprises and government agencies make better location-based decisions.

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*Patrol and Monitoring products  
from left to right: referenced optical  
imagery, X-band Orthorectified  
Radar Image, P-band  
Orthorectified Radar Image,  
Change detection layer*



Get the information you need to make decisions.  
Contact Intermap today for more information!