

INTERMAP
Answers Now™

P-band Radar

Aerial Data Collection

Foliage Penetrating Geospatial Information

Intermap Technologies® provides custom aerial radar data collection services to help you create innovative geospatial solutions for numerous commercial, governmental, and defense applications. Intermap's P-band Synthetic Aperture Radar (SAR) system can be deployed to collect wide area coverage of highly accurate radar imagery which will not be hindered by weather, clouds, trees, or the lack of sunlight. Collection can be coupled with Intermap's X-band IFSAR for additional efficiency in creating solutions.

Key Benefits & Features



All-Weather Acquisition

Mapping anywhere, day or night, in any weather or cloud coverage.



Fast, Wide-Area Coverage

Large mapping footprint, reducing collection time and saving you money.



Dual-Look

Acquire data on both sides to increase efficiency and reduce shadow.



Foliage Penetration

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



Polarimetry

Collecting horizontal and vertical transmit and receive polarizations multiplies the value.



Autonomous Collection

Operating in an automated fashion eliminates the overhead of an operator.

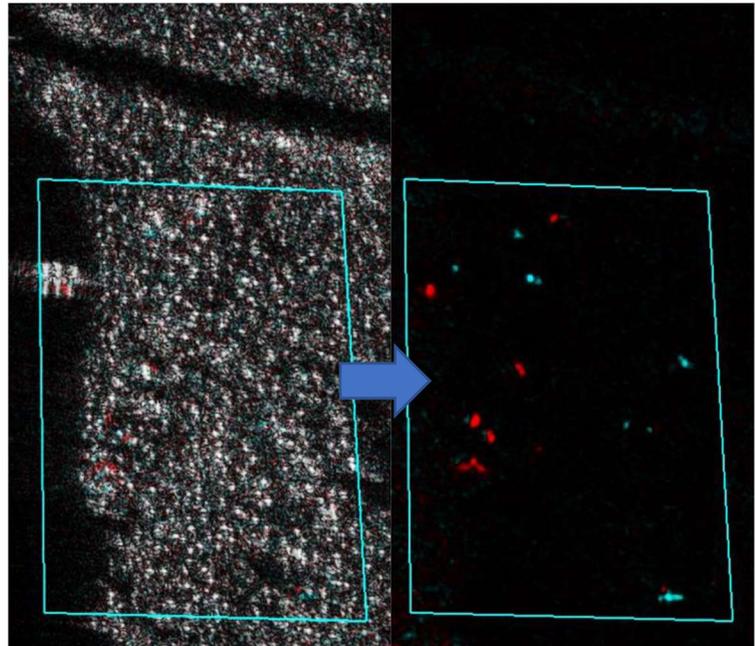
P-band SAR Technology

Intermap's P-band system is fully polarimetric to provide both detailed sub-canopy information, as well as feature detection and extraction. Operating at altitudes of up to 30,000 feet and looking in both directions simultaneously, the system can collect over 7,000 km² per hour. With these efficiencies, change detection has become much more affordable.

Applications

- Infrastructure identification above and below foliage cover.
- Land cover classification and usage.
- Security monitoring through detection of command wires, trip wires, improvised explosive devices (IED), and unexploded ordnance (UXO).
- Monitoring erosion and estimation of soil moisture levels.
- Change detection and intelligence, surveillance, and reconnaissance (ISR) to automatically detect, identify, and classify features over time.

Item	Specification
Frequency	340 MHz center
Bandwidth	220 - 800 MHz
Operational Altitude	28000 ft typical
Operational Speed	200 m/s
Resolution	83 - 30 cm
Products	Co-polarized Orthorectified Images Cross-polarized Orthorectified Images Application-dependent derivatives



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Visit 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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P-band applications include feature detection in areas invisible to optical imagery (left) and change detection beneath the canopy (right - example of vehicle movement in a campground)

Reveal hidden information with Intermap's advanced P-Band systems. Contact Intermap today for more information!