

About Capella Space

Capella Space is an Earth observation company that provides timely and reliable visibility with its Synthetic Aperture Radar (SAR) smallsat constellation. Capella is the first U.S. company to launch and operate commercial SAR and offers the highest resolution imagery available. Capella's novel satellites are matched with a market-leading cloud infrastructure delivering global insights to Defense & Intelligence, government and commercial customers. Learn how Capella's data improves decisions about commerce, conservation and security at www.capellaspace.com.

Why We're Different



High-Quality

Very high-resolution satellite imagery combined with noise reduction leads to unmatched image clarity



Timely

Rapid fully-automated order-to-delivery means faster speed to insight.



Frequent

Increasing high-cadence revisit timeframes as our constellation grows.



Accessible

Intuitive online platform with self-serve catalog search, ordering and tasking.



Secure & Confidential

Secure anonymized tasking with rigorous operational security control and end-to-end encryption.



Shareable

Commercial unclassified data that can be accessed by international mission partners.

Contact Us

or visit capellaspace.com

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"The U.S. Air Force is always working to maintain our leadership as a global technology innovator, and this contract [with Capella] is a testament to that commitment."

— Lt. Gen. John Thompson, Commander,
U.S. Air Force Space and Missile Systems Center



Capella Space

Rapidly Growing Constellation

Our innovative satellite design and cloud infrastructure are revolutionizing the speed and quality of SAR data. As our SAR constellation rapidly grows, our clients benefit from more timely and actionable intelligence.

- Multiple satellites in orbit with several soon to launch
- Global reach through fast communications relays
- SaaS experience for easy access to tasking and archive imagery



SAR Imagery Products

The World's Highest Resolution SAR

Capella's very high-resolution satellite imagery with enhanced image quality provides an unparalleled visual clarity, contrast and sharpness in the commercial SAR industry.

Image Product Name	SAR Imaging Mode	Nominal Scene Size	Spatial Ground Resolution	Slant Range Resolution	Look Angle Range
Spot	Spotlight	5km X 5km	Up to 0.5m	0.3m	25° to 40°
Site	Sliding Spotlight	5km X 10km	Up to 0.8m	0.5m	25° to 40°
Strip	Stripmap	5km X 20km	Up to 1.2m	0.75m	25° to 40°

Sample Imagery

Synthetic Aperture Radar (SAR) supports a variety of government and commercial use cases including facility monitoring, detection of illegal maritime activity and mapping natural disaster damage



A Cloud-Native SAR Experience

Capella has developed a modern, reliable and scalable online platform for customers to access SAR imagery that was built on a cloud-native architecture. Capella's online platform provides both a web-based data portal, Capella Console, and a corresponding API.



Designed for Operational Security

Capella's comprehensive Operational Security program is closely aligned with U.S. NIST 800-171 requirements using the highest levels of cloud security. Capella Space customers benefit from:

- End-to-end automation from order-to-delivery for secure and confidential tasking
- Secure ground, space and mission infrastructure to protect against cyberthreats
- Complete anonymization of customer identity and interaction

Partnering for High Frequency Delivery

We're building a partnership ecosystem to support unprecedented visibility of our planet. Through our partnerships with AWS and Inmarsat, Capella Space utilizes GEO satellites to relay communications and enable customers to rapidly access data through data downlinks through AWS ground stations.

