

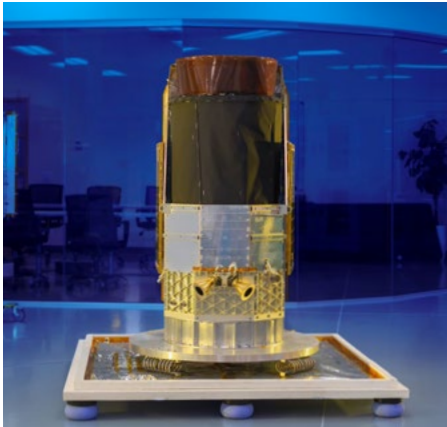
Gen-3 constellation

Powering the next generation of space-based intelligence

Gain superior space-based intelligence faster than ever before.

With accelerated communications, very high-resolution sensors and agile attitude control, BlackSky's Gen-3 satellites and systems deliver detailed, actionable information at industry-leading speed. Timely, reliable data powers AI-enabled object detection and classification so you can make decisions in the moment.

Built on a proven architecture, Gen-3 satellites exceed BlackSky's highest standards for design life and performance. With a high degree of reliability, automation and uptime, Gen-3 is an invaluable resource in predicting and addressing matters of national security and economic uncertainty.



Gen-3 in manufacturing facility



Vessel detection | Bardar Addas, Iran | 30 March 2025

Reliable insight for rapid decision-making

Building upon BlackSky's speed of intelligence delivery, Gen-3 imagery and analytics provide crucial insight for timely, confident action when the stakes are high. Identify and understand patterns of activity as they happen so you can address emerging threats before they become active conflicts.

With Gen-3

Acquire

Acquire new data within hours to analyze pattern of life, track vehicle and ship custody or understand your adversary's movements.

Collect

Collect very high resolution (VHR) visible imagery at native 35 cm resolution for a clearer picture of the ground, delivered at industry leading speeds.

Detect

Automatically detect and classify objects like military and civilian vehicles to characterize the nature of change in an area.

Monitor

Monitor sites from dawn to dusk, and through the night.

Receive

Receive data quickly with improved latency and increased collection efficiency.

Task

Flexibly task Gen-3 satellites in the systems you use today, using our secure web portal or API connection.

Gen-3 specifications

An efficient, high-performance constellation to serve high-stakes decisions.

| | Gen-3 |
|---------------------------------------|--|
| Revisit rate ⁽¹⁾ | 60 minutes |
| Collection to delivery ⁽¹⁾ | As little as 60 minutes |
| Analytics | Object detection: Vehicles, Aircraft and vessels Motion detection: Aircraft and vessels |
| Best ground sample distance (GSD) | Visible: 35 cm Short-wave infrared: 1.2 m |
| Minimum scene size | Visible: 18 km² (3.7 km x 4.9 km) Short-wave infrared: 1.8 km² (1.2 km x 1.5 km) |
| Spectral bands | RGB, panchromatic and short-wave infrared |
| Geolocation accuracy | <10 m CE90 |
| Orbital inclination | Mid-inclined orbit (MIO) Collects between 60 degrees north and south |
| Communications | X-band primary downlink S-band primary uplink UHF backup uplink and downlink |
| Design life | 5+ years |

⁽¹⁾ At full operating capacity of 16 satellites.



Laem Chabang Port, Thailand | 06 March 2025



Stay on top of global change

To learn more about how BlackSky can help your organization use real-time intelligence from space, contact sales@blacksky.com.



Mumbai International Airport, India | 20 March 2025



Sydney Harbor, Australia | 02 March 2025



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