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PALANTIR
TACTICAL + SECURE SOFTWARE
EST. 2003 / PALO ALTO, CA
HQ / DENVER, CO
EMPLOYEES / 3K+

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SKYKIT ◉

01

SATCOM
IMINT
AI / CV
EDGE COMPUTE
UAV

Skykit

CHALLENGE

Operators conducting missions in disadvantaged environments with unreliable communications and power resources must be able to analyze timely, actionable, multi-source intelligence— whether collected locally or disseminated by rear units.

SOLUTION

Palantir Skykit is a system to bring operational intelligence to the tactical edge, whether that intelligence is generated locally or pushed from a rear system.

For example, an operator can accelerate the targeting cycle by intermittently downloading the latest cloud-based IMINT and SIGINT into the Skykit tactical C2 system, where it is then combined with locally collected ELINT, UAV full motion video, and horizontal camera images.

01 / Small form factor: Portable enough to be carried or attached to a light truck or transported in a small boat.

02 / Receive satellite imagery in < 2 hours from image capture: Cloud-based image processing pipeline transforms raw L0 imagery to L3 in under a minute.

03 / Tasking from a laptop: Access multiple commercial satellite constellations simultaneously and task AORs from the field. Over 430 sensors are available across modalities (e.g., RF, SAR, EO, MSI) and providers (e.g., Planet, BlackSky, Hawk-Eye 360).

04 / Designed for DDIL environments: Optimized on minimizing RF signature by using an included satellite internet node terminal for brief connections; can use any available internet connectivity.

05 / AI/ML at the edge: Run Palantir, customer-owned, or third-party AI/ML detection models on a laptop, even when there is no internet connection. AI/ML analysis is used for Indications and Warnings (I&W), target confirmation, battle damage assessment (BDA), and more.

06 / Prototyped and deployed today: Initial partners focused on deployment in support of ongoing events in Europe.

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CASE STUDY

Operators in a forward unit order satellite tasking for targeting intel and BDA over specific areas of interest. A Field Artillery unit is 50 miles from an enemy target; it wants to assess the target before moving ahead. Heavy cloud cover is expected, so both SAR and EO images from different commercial providers are tasked by the unit. Imagery is downloaded to a commercial ground station within 90 minutes of tasking. L0 → L1A/L3 EO imagery is processed in under 1 minute. HQ reviews imagery as it arrives, while the forward unit turns on its Starlink for under 2 minutes to download 5 EO and SAR images. The Field Artillery moves within firing range. The unit has already tasked new imagery for Battle Damage Assessment after mission completion.

HARDWARE INCLUDES

→   Ruggedized case customized to Skykit

→   Ruggedized laptop with secure supply chain

→   Satellite Internet for worldwide connectivity

→   Power banks and cables for disconnected operation

→   UAV / Drone for full motion video processing

→   Trailcam for horizontal imaging

Hardware can be changed as needed for customer requirements.

EXAMPLE VARIANTS

SKYKIT BACKPACK
→ Portable, Lightweight

Component optimized for portability, with size and weight to a minimum while still providing essential communications, power, and area intelligence.

SKYKIT MARITIME
→ Seaborne, Nautical

Built to support small boat operations and tailored for space constraints, with optimized RF signatures and horizontally-oriented camera AI.

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