



CORTEX Battle Intelligence (BI) is Uvision's AI-enabled Battle Intelligence and Mission Management platform, designed to connect sensors, command-and-control systems, autonomous assets, and heterogeneous effectors within a unified operational environment.

Built around advanced data fusion and mission orchestration, CORTEX transforms battlefield information into actionable operational insights while establishing a scalable foundation for the next generation of AI-powered mission management capabilities.

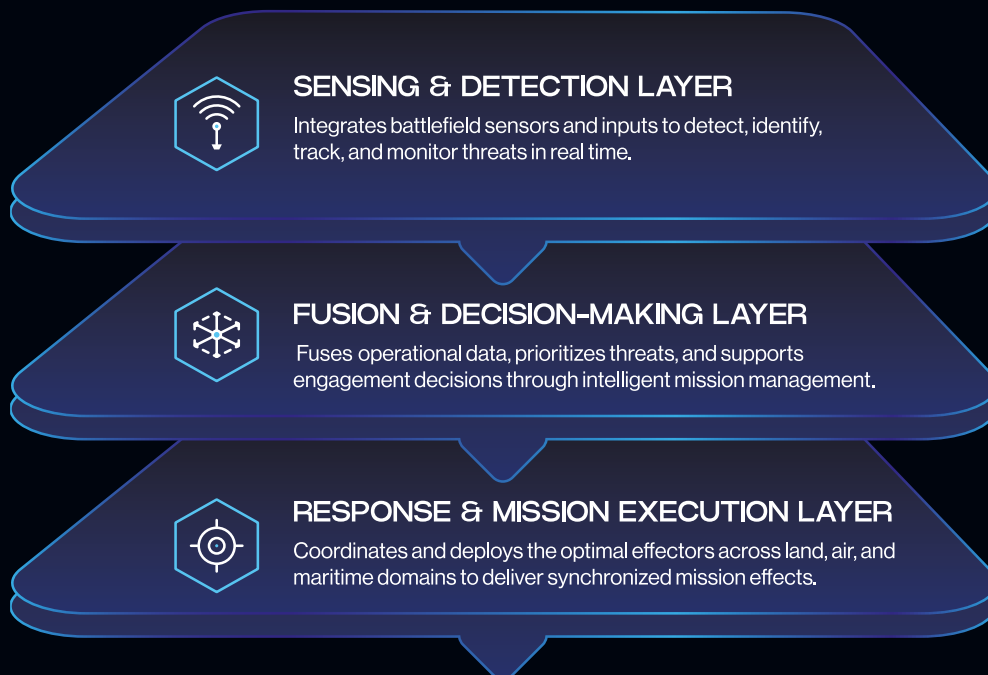
Active Mission Orchestration

CORTEX BI introduces a new layer of decision support automation that assists operators by continuously processing battlefield inputs, coordinating assets, prioritizing threats, and supporting mission-level decision-making while maintaining human oversight at critical engagement points.

Built around a continuous operational loop – Sense and Detect, Classify, Decide, Engage, Assess, and

Re-Task - CORTEX BI enables real-time battlefield orchestration across offensive and defensive mission sets while accelerating the sensor-to-shooter cycle.

Built on an open and scalable architecture, CORTEX BI enables forces to remotely manage missions across land, air, and maritime domains through a unified mission-centric interface.



Reduced Cognitive Load. Increased Mission Effectiveness.

CORTEX BI is designed to reduce operator burden by shifting users from platform-level control to mission-level command. Through intelligent mission management, automated coordination, and engagement support, operators can focus on tactical execution instead of manually managing disconnected systems.

By streamlining battlefield coordination and presenting actionable operational awareness in real time, CORTEX BI improves survivability, operational tempo, and decision superiority across complex operational environments.

One Interface. Multi-Domain Control.

CORTEX BI enables operators to deploy, manage, and synchronize assets across multiple launch platforms and operational domains through a single mission-centric interface built for scalable battlefield operations.

Built on an open and modular architecture, CORTEX BI integrates with third-party sensors, external command networks, C5ISR ecosystems, and battlefield management systems while delivering unified command and control across the HERO, VIPER, and PEREGRINE Family of Systems.

Serving as the digital backbone for Uvision's future layered autonomy stack, CORTEX BI is designed to support the integration of advanced AI capabilities—from intelligent decision support and autonomous platform behaviors to coordinated multi-platform operations and future swarm-level autonomy.

Its agnostic architecture enables interoperability across heterogeneous systems, allowing operators to coordinate multiple platforms and mission sets through one unified operational environment.



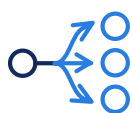
CORTEX BI Operational Capabilities



Multi-domain mission management



Real-time battlefield orchestration



Dynamic task allocation and rapid re-tasking



Integrated sensor and effector management



Human-in-the-loop engagement oversight



Accelerated sensor-to-shooter timelines

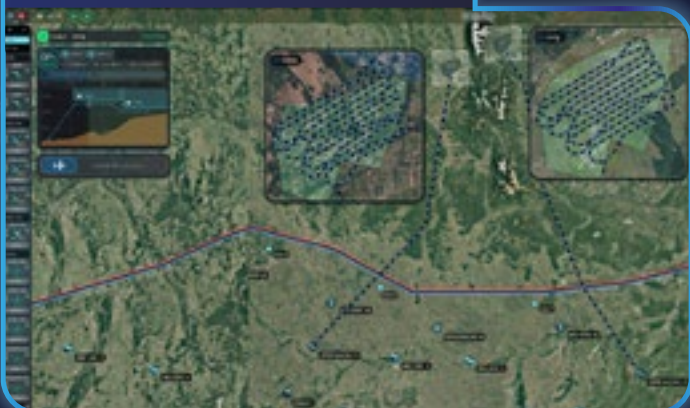


Built for Scalable Operations

CORTEX BI is designed to support missions ranging from small tactical teams to brigade-level operations, both expeditionary and large-scale operations across distributed operational environments. Its scalable architecture enables forces to coordinate multiple simultaneous missions, integrate evolving battlefield technologies, and adapt rapidly to changing operational requirements.

The system supports a wide range of offensive and defensive mission applications including FOB and base defense, border security, counter-infiltration operations, maritime security, counter-UAS missions, distributed maneuver operations, and forward strike missions in contested environments.

MISSION PLANNING



THREAT PRIORITIZATION



ASSET COORDINATION



BDA & ANALYSIS

