



Geoinstrumentos

WWW.ORKID.TECH

ISR DRONE VARIANT

260VTOL ISR

001 AUTONOMOUS FLIGHT

002 GLOBAL REACH

003 ABSOLUTE PRECISION

EYES IN THE SKY, PRECISION ON THE GROUND

ENHANCING REAL-TIME ISR DRONE MISSIONS WITH CUTTING-EDGE OPTICS, SEAMLESS SATELLITE CONNECTIVITY, AND COST-EFFECTIVE OPERATIONS.



260VTOL ISR: REINVENTING ISR WITH SATELLITE-POWERED AUTONOMY



ORKID 260VTOL ISR comes equipped with full integration with Starlink's satellite constellation for real-time telemetry and video feed, without the need for expensive ground-based radio infrastructure.

→ ENJOY TRUE BVLOS CAPABILITY ACROSS VARYING TERRAINS, ENSURING RELIABLE OPERATIONS ANYWHERE IN THE WORLD.

ISR READY

A01

REAL TIME RECONNAISSANCE

Equipped with high-definition electro-optical (EO) and infrared (IR) sensors, this ISR drone ensures precise real-time reconnaissance and surveillance.



A02

PAYLOAD FLEXIBILITY

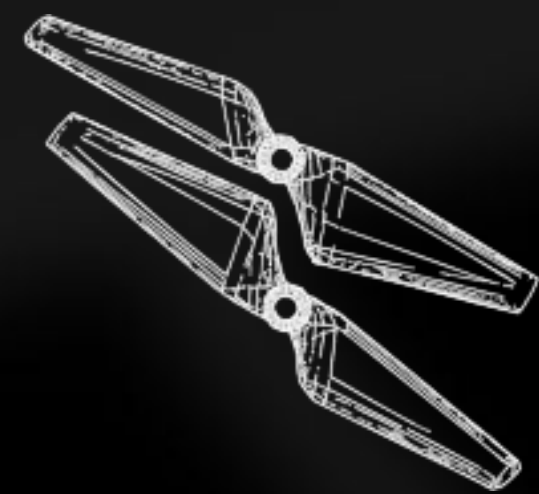
Supports ISR drone missions with modular payloads, enabling advanced reconnaissance, surveillance, and inspection with GPS-guided precision.



A03

AUTONOMOUS FLIGHT

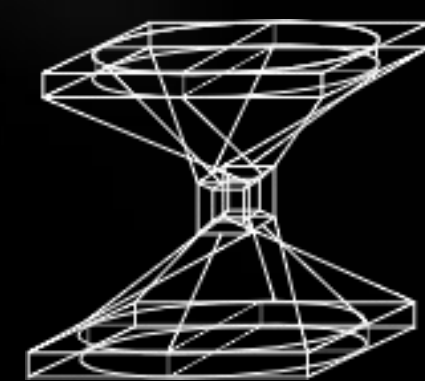
Enables fully autonomous drone operations with advanced GPS guidance for takeoff, landing, and waypoint navigation, ensuring efficient and seamless missions.



A04

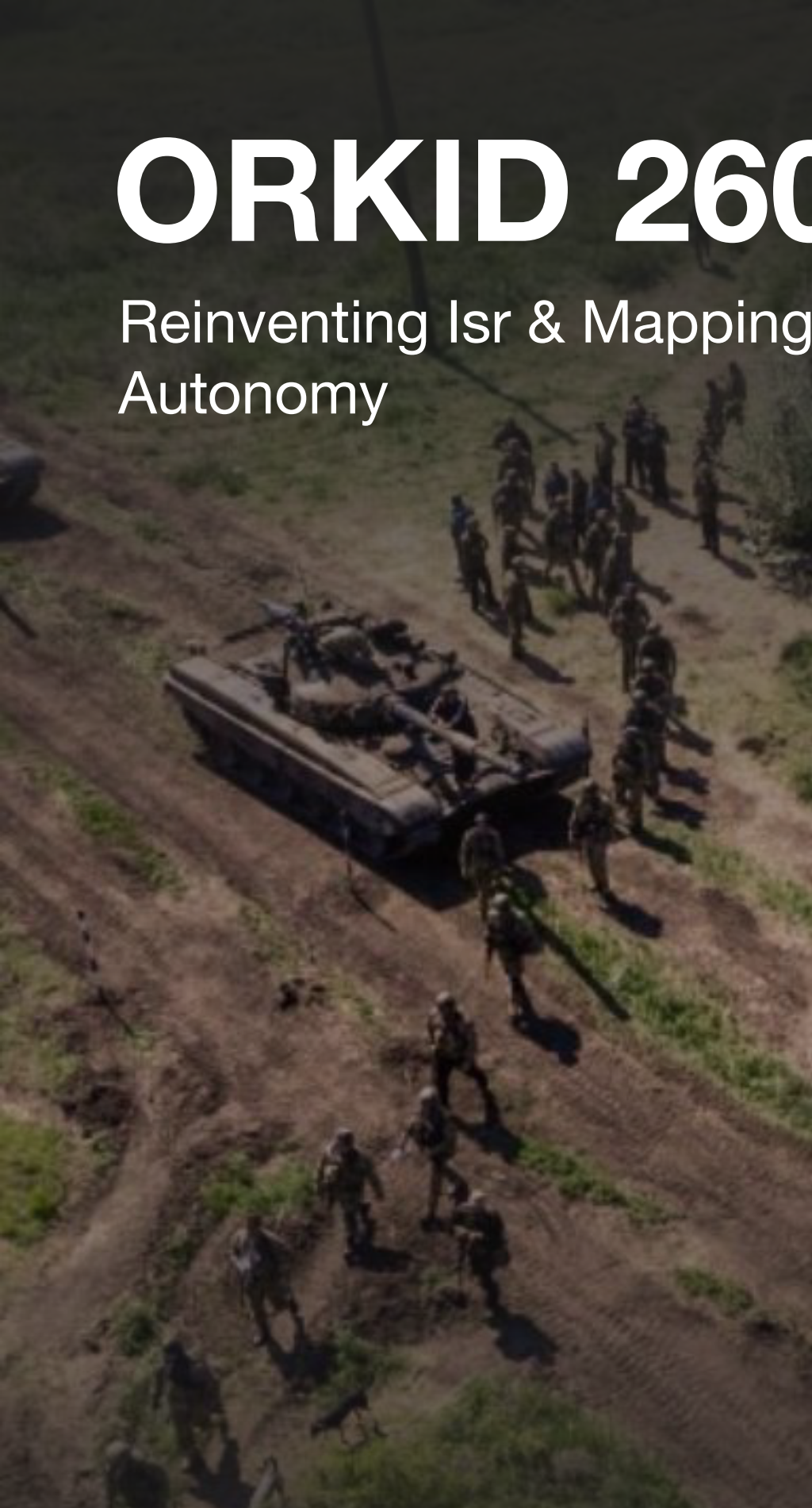
SECURE DATA TRANSMISSION:

Encrypted communications ensure data security during ISR drone missions, providing real-time intelligence with unmatched reliability.




ORKID 260VTOL ISR

Reinventing Isr & Mapping With Satellite-powered
Autonomy




01
Military Applications
Real-time tactical intelligence with EO/IR sensors.




02
Infrastructure Monitoring
Precision inspection of pipelines and power lines.



03
Agriculture
High-resolution mapping with multispectral sensors.



04
Disaster Response
Rapid data gathering during emergencies.



05
Search & Rescue
Locate survivors using thermal imaging.

Applications & Use Cases

NEW

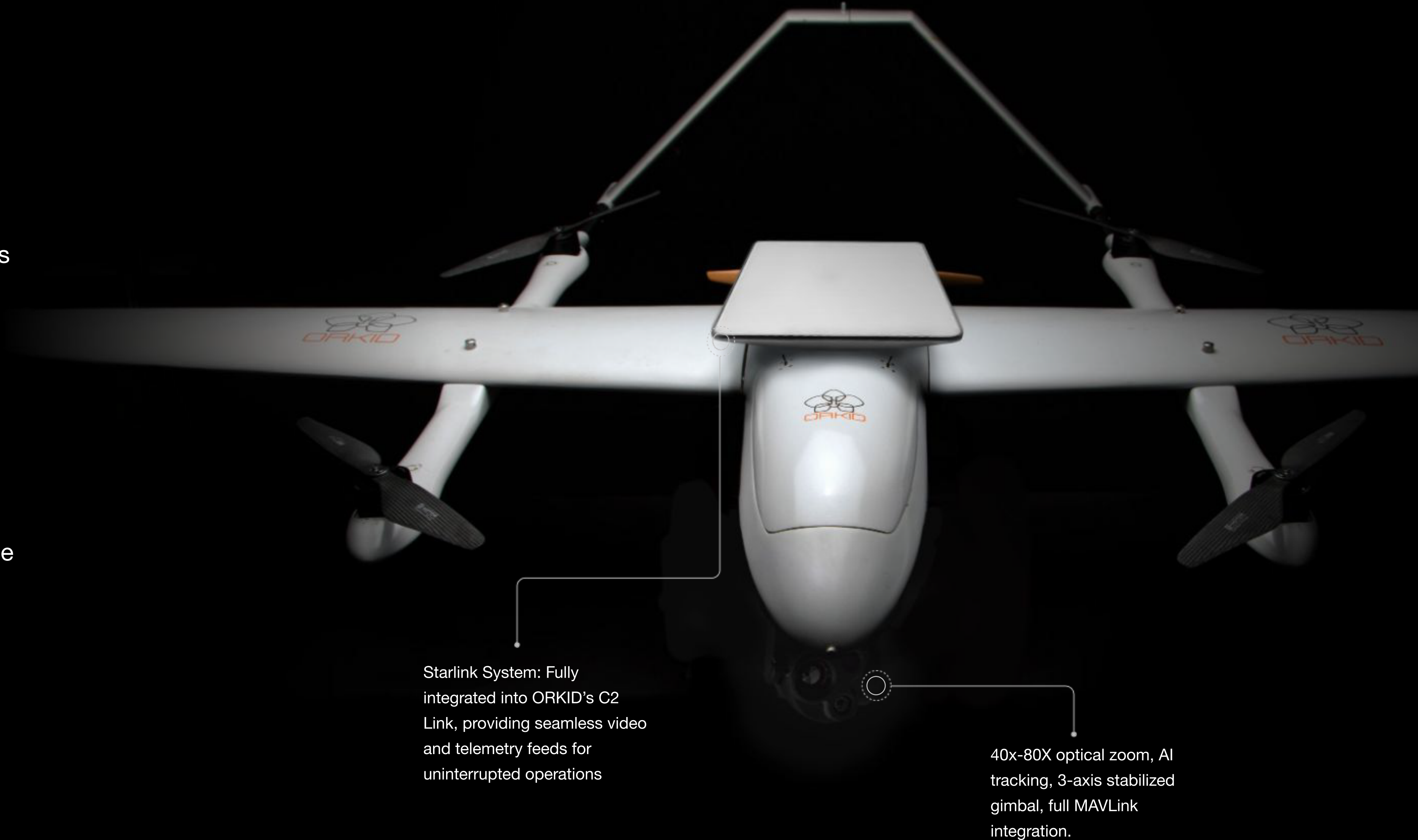
ORKID 260VTOL ISR

The ORKID 260VTOL ISR is engineered for unrivaled performance, delivering 90 minutes of flight time & 120 km of operational range.

Powered by seamless Starlink satellite integration, it offers a fully autonomous experience with real-time video and telemetry through our intelligent C2 Link—eliminating the need for ground infrastructure.

Designed with modular payload flexibility, the aircraft supports ISR missions with AI-powered tracking and 80x optical zoom.

ORKID's smart cloud-based mission planning ensures rapid deployment, making it flight-ready in under 10 minutes for the most demanding applications.



Starlink System: Fully integrated into ORKID's C2 Link, providing seamless video and telemetry feeds for uninterrupted operations

40x-80X optical zoom, AI tracking, 3-axis stabilized gimbal, full MAVLink integration.

GLOBAL SATELLITE CONNECTIVITY:

→ Integrated with Starlink's satellite constellation for real-time telemetry and video feed, without the need for ground-based infrastructure.

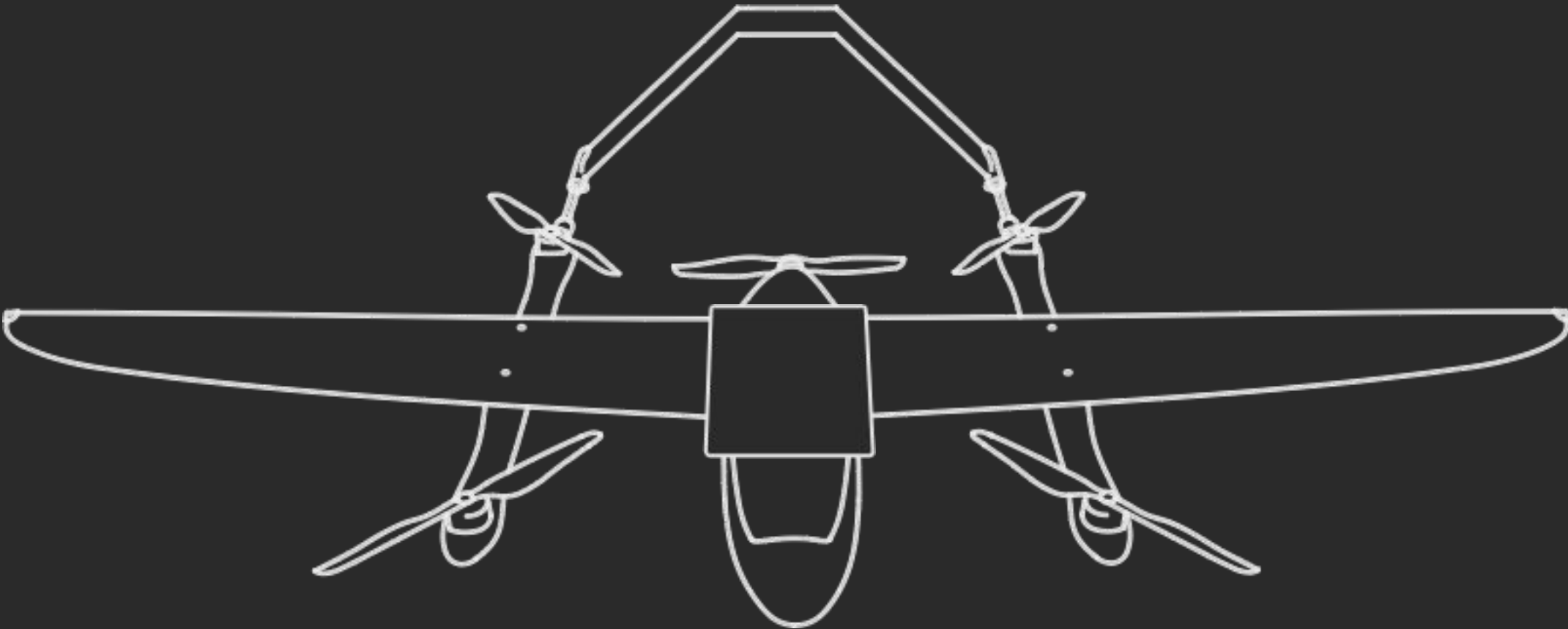
(WELCOME TO THE FUTURE
OF C2 LINK SYSTEMS)



PERFORMANCE DATA & SPECIFICATIONS

001	Max Speed	80 km/h (22 m/s)
002	Max Flight Time	90 minutes (with standard payload)
003	Range	120 km (BVLOS enabled)
004	Max Wind Resistance	12 m/s (Operational)
005	C2 Link	Full Satellite Integration (Starlink) – No need for radio towers or ground infrastructure. Centralized operations worldwide.
006	Payload Integration	Modular support for ISR and Mapping systems with MAVLink-enabled smart functions.
007	Mission Planning	Fully autonomous operations with mission planning through ORKID’s intelligent cloud platform.
008	SR Payload Next Vision	Camera 40x-80X optical zoom, Thermal, 3-axis stabilized gimbal, full MAVLink integration.

260VTOL ISR



[ORKID + STARLKINK]

PAYLOAD INTEGRATION ISR



[Next Vision Starling]

ISR Missions NDAA Compliant

Starling is a dual EO-IR 3-axes stabilized camera with a mere weight of 180gr. Starling delivers unparalleled performance at compact packaging. It is the best choice for low weight platforms that have a limited energy capacity, resulting in extended mission time. EO: X40 (X20 + X2 digital) Thermal Resolution 640 x 480.



[Next Vision Raptor]

ISR Missions NDAA Raptor Camera

A lightweight long range dual EO-IR stabilized camera turret, the Raptor represents NextVision's constant technological advancement. Featuring a significant IR range increase and a X80 EO zoom. EO X 80 (X40 X 2 Digital) Thermal Resolution 1280 x 720.



THANK YOU

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