



Fixed-wing electric VTOL UAV

**FOR LONG-ENDURANCE
OPERATIONS**

elevon^x

With its exceptional design, safety features, and operational flexibility, the Sierra™ is set to revolutionize the UAV industry and become an indispensable tool for a wide range of applications.





Sierra™ eVTOL is a multipurpose vertical take-off and landing fixed-wing UAV that can be operated from a minimal footprint. The versatile, quiet drone platform features fully electric power as standard.

The drone, when stored in its case, fits into any personal vehicle. The assembly is straightforward and takes approximately five minutes. It can be done by one person, but two people are recommended for ease of the task. This UAV offers an unparalleled combination of long-endurance flight, exceptional payload capacity, and a minimal operational footprint, making it the ideal solution for a wide range of applications, from surveying and mapping to agriculture and surveillance. This adaptability gives operators the competitive edge they need in the fast-evolving market of UAS services.

The Sierra™ eVTOL boasts a maximum payload of up to 3 kg, enabling the integration of advanced sensors such as high-resolution orthophoto cameras, multispectral imaging systems, gimbal-stabilized cameras, and LiDAR. Finally, as an option, we can integrate sensors of your choice. This flexibility ensures that the Sierra™ can be tailored to meet the specific needs of any mission. With a wingspan of 3 meters and a maximum take-off weight of 13.5 kg, it can cover distances of up to 200 km in a single flight and stay airborne for up to 2,5 hours, delivering consistent performance even in challenging environments.



MAIN FEATURES

		MAX
	3 m wingspan	3 m
	Up to 3 kg of useful payload (optimum 1.5 kg for 1.5-hour endurance)	3 kg
	Up to 2.5 hours of flight time with lightweight payloads	2.5 h
	Cruise speed at 20 m/s	20 m/s
	13.5 kg maximum take-off mass	13.5 kg
	Wind tolerance up to 8 m/s (take-off and landing), up to 17 m/s (in-flight)	17 m/s
	Up to 3000 m service ceiling (special edition up to 6.500 m)	3000 m
	Up to 30 km video and control link distance	70 km
	Starlink	No
	Parachute	Yes

N 46° 21' 37"
E 14° 18' 13"

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