



DELAIR UNVEILS UX11 Ag, NEW UAV OPTIMIZED FOR LARGE SCALE SURVEYING IN AGRICULTURE & FORESTRY

Fixed wing drone significantly increases productivity and data analysis performance for planning and managing agriculture activities

Offers precise automatic geolocation capabilities, real-time processing and control in a fully-integrated, easy-to-use solution

TOULOUSE, France. – November 6, 2018 - [Delair](#) a leading supplier of commercial drone solutions, today announced a new drone platform specifically optimized for the agriculture industry, the Delair UX11 Ag. Built on the foundation of the successful Delair UX11 fixed-wing UAV, the new version combines the productivity benefits of long-range/BVLOS flight operations with highly accurate survey-grade mapping and plant data collection capabilities – all in an easy-to-use platform - to enable a new level of decision agriculture.

The UX11 Ag's enhanced centimeter-level geolocation, along with its efficient operational characteristics, make it the most cost-effective solution for large area farming and forestry. The full-featured drone includes sensing technologies and a multispectral camera for plant-level measuring, including bird level, biomass and chlorophyll. It supports a productivity-oriented workflow for long-range, multi-field and multi-flight operations. The precise automatic geolocation – PPK as you go – enables a perfect overlay of maps for temporal analysis or machine guidance. The drone enables real time review of data, providing even more efficiency for analyzing while in the field.

The Delair UX11-Ag is well suited for a range of large-scale agriculture activities, including inventory control to optimize operations management and crop planning, increased traceability for sustainability, health monitoring of crops and extraction of key production metrics, and crop response assessment in field trials and research. It's designed specifically for the diverse and often challenging environmental conditions of large-scale farming environments.

“The Delair UX11-Ag directly addresses an opportunity in the fast-growing agriculture and forestry segment with a solution that uniquely meets the productivity and ease-of-use requirements of these operations. It fills the void that exists between traditional small-scale solutions such as flight-time-limited quadcopters, and the limited resolution and agility through satellites,” said Michaël de Lagarde, co-founder and CEO of Delair. “We have built on a proven foundation of our UX11 model and created a platform that is both cost effective and high performing to deliver very precise and actionable insights for agricultural stakeholders of all kinds of crops.”

Excellent ROI through advanced features

The Delair UX11 Ag reduces the amount of time and money required to provide detailed surveys of large-scale agriculture operations. For example, thanks to its long-range capabilities, the Delair UAV can typically cover up to 900 hectares in a single day with only six flights at 150-meter altitude. Its precise geolocation capabilities and wide area imaging technology further decrease operational costs. In addition, its ease of use makes it faster to set up and deploy, and with a rugged “ag-proof” design specifically built for the harsh operational challenges found in agriculture use cases, it lowers overall maintenance. As a result, its ROI is extremely high, enabling the customer to see a payback in as little as a few flights.

The Delair UX11 Ag features a fully integrated high-grade multispectral camera to see the plant level of most crops and provide the industry’s best quality agriculture data. The sensor generates plant health indexes and RGB (color) images and is calibrated for precise, repeatable measurements.

The UX11 Ag is an easy-to-assemble and easy-to-carry system, weighing in at just 1.4 kg. Its dimensions and takeoff capabilities make hand launching possible. The UAV features BTOL (bird-like take-off and landing) for steep-climb take offs and descents in confined areas, reducing down time between flights and extending its use to challenging environments such as dense vegetation in plantations or forests.

Two communications options are available with the UX11 Ag: the Delair Link for 2.4 GHz wireless communications, allowing connections anywhere and a range of up to 5 km; and an integrated secure cellular connection on partner 3G and 4G networks, which reduces potential interference issues and allows longer range control, including BVLOS operations.

Go [here](#) for product specification information

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About Delair

Delair is a leading provider of drone-based solutions that enable enterprises to monitor and digitize their physical assets from the air and turn the collected data into valuable business insights. Its solutions are used globally by customers in industries such as utilities, construction, agriculture, transportation, mining and oil and gas. The company is one of the world’s most experienced providers of industrial drone solutions, combining its high performance, long range UAV hardware with sophisticated analytics technology and operational services. A strategic relationship with Intel and the Intel Insight Platform is driving the two companies toward designing the industry’s most scalable platform for drone imagery storage and business intelligence. Founded in 2011 by experts in the aerospace industry, the company is headquartered in Toulouse, France, and has offices in Ghent, Belgium, Los Angeles and Singapore. Its solutions are sold in more than 70 countries by a network of distributors. For more information about Delair and its brand-new generation of beyond-visual-line-of-sight (BVLOS) drones with 3G/4G communications, go to www.delair.aero and on twitter [@DelairTech](https://twitter.com/DelairTech)

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