New Delair UX11 UAV Solution Globally Available

Delair has announced the global availability of its newest unmanned aerial vehicle (UAV or 'drone') solution, the Delair UX11 for cost-effective, large-area mapping. The sleekly designed autonomous aircraft enables increased efficiency, accuracy and productivity to enterprises in how they collect and analyse operation-critical data. The Delair UX11 fixed-wing drone combines an open hardware-software platform that provides highly accurate images for survey-grade mapping, with on-board processing capabilities and real-time, long-range control. Having passed its final testing phases, this newest drone model is now available from Delair authorised distributors in more than 70 countries.

The drone's highly efficient operational characteristics make it a cost-effective solution for companies with dispersed assets or that require aerial viewing capabilities, including surveying, construction, oil & gas, utilities, mining, agriculture and transportation. It can be used for a variety of imaging, mapping, monitoring and maintenance tasks not previously practical or possible with other terrestrial or airborne approaches.

"Several factors are lining up to accelerate the use of commercial drones in all kinds of businesses, including the establishment of government regulations, technological improvements in UAVs, and economic pressures on companies to improve operational efficiencies. But the common challenge we see in the market is the need for an easy-to-use, cost-effective solution that produces actionable insights. Our latest model drone platform has been developed to address those requirements and break new ground in terms of what can be done with a drone, as well as who can operate it," said Chase Fly, geospatial product manager at Delair.

Designed for ease of use and lowest TCO

The Delair UX11 combines a number of features and design innovations that make it ideally suited for productive operation quickly in a variety of conditions and flight requirements including, where allowed, beyond visual line of sight (BVLOS) operations.

The new model consists of a portable lightweight (1.4kg) and modular hardware frame that is easy to assemble. The drone features BTOL (bird-like take-off and landing) for steep-climb take-offs and descents in confined areas, can remain airborne for up to an hour, and is capable of covering 200 hectares in a single flight. Pilots can control the drone through either 2.4GHz wireless communication or available 3G/4G cellular networks. The UX11 drone is controlled and monitored with an intuitive software workflow before, during and after the flight. The Delair Flight Deck software can be run from standard Android tablets and allows quick mission planning and pre-flight checks. Once airborne, real-time monitoring gives pilots flexibility to adjust flights and camera settings, as well as to see and verify results as they are collected to ensure the highest-quality images are obtained. Post-flight analytics can be quickly performed through integration with popular software applications.

The UX11 features an embedded smart global-shutter camera that produces exceptional quality and accurate results, with up to 1cm of precision from a height of 400 feet. The camera can be controlled while in flight, making mission adjustments and data-quality monitoring an efficient process.

The drone's end-to-end system, combined with its operational performance benefits, significantly lowers the total cost of ownership compared to other surveying and mapping options.

"The Delair UX11 sets a new standard of efficiency, cost and quality in a long-range UAV platform. The drone itself is truly state of the art in its design and construction, and it enables industry-leading performance and flight range as well as streamlined maintenance – advantages that all reduce costs. The integrated processing capabilities are able to ensure image quality in real time and provide users with accurate results that shape critical operational decisions and strategies. And it's designed for flexible use in a variety of conditions and use models, further lowering TCO," noted Fly.

The UX11 is built to be future-proof, with an open and extensible electronics edge-computing infrastructure that can be easily upgraded to incorporate new features as they are developed.

Availability

The Delair UX11 is available in a number of different packages and configurations to meet specific customer requirements. Go here for product specification information and for more information on pricing and availability.