

Vertical Technologies Launches New VTOL UAV



Vertical Technologies has released its DeltaQuad series of autonomous VTOL UAVs. This hybrid vertical-take-off fixed-wing UAV can stream telemetry and video over the cellular network [using VPN](#), and boasts a 1kg payload capacity, flight time of 2 hours 45 minutes and 150km range.

The DeltaQuad is developed by members of the [PX4 Pro](#) autopilot development team and uses several innovative features that aims to make this UAV as easy to control as setting up a navigation system. It requires no pre-flight calibrations and the Pro model comes equipped with an on-board computer that almost completely replaces the operator, making the vehicle suitable for BVLOS missions. The included [DeltaQuad simulator](#) helps to get familiar with the controls and allows test flying missions before they are executed.

The vehicle is aimed at the professional market and It is built with [industrial quality hardware](#), many electrical components are specifically designed for the DeltaQuad.

The UAV comes in [3 different varieties](#): the DeltaQuad Base, One and Pro. The DeltaQuad Base is a kit version intended to be outfitted with aftermarket avionics. The DeltaQuad One is the RTF version. The DeltaQuad Pro comes with 4G VPN secured telemetry and video, and is equipped with an additional board computer running the [DeltaQuad Safety and Performance System](#) for advanced autonomous capabilities. These advanced features include weather condition checking, mission and terrain validation and air traffic awareness using ADS-B.

Vertical Technologies, started by the people from DronesLab, has been working on the DeltaQuad in relative secrecy for more than 14 months. For more information visit www.verticaltechnologies.com.