



Data on the Fly

RTK-X8



Overview

The RTK-X8 is a multicopter in the X8 design with almost all parts made of carbon fiber. This multicopter is a versatile UAV to literally collect “data on the fly.” It executes autonomous missions that can easily be programmed via the mission control software.

Equipped with real-time kinematics technology the RTK-X8 flies its designated routes with a cm-level precision, which cannot be achieved with conventional GNSS-based guidance.

Safety is key and this means to be prepared for extreme situations. The UAV can optionally be equipped with a parachute system to avoid fatal crashes that destroy the expensive payload.

Ready to Fly foldable HighEnd Octocopter

Highlights

- Autonomous flying UAV certified for Cubert cameras
- Complete system with mission control software
- Precise guidance with Real-Time Kinematic Global Navigation Satellite Systems (GPS, GLONASS, BeiDou, Galileo)
- Weather-resistant design
- Increased safety by integrated parachute system



RTK-X8 Hyperspectral mapping

Technical Specifications

Overall system weight including gimbal and parachute	4.5 kg
Including 2 x 6000 mAh batteries	6.9 kg
Maximal Payload	2.5 kg
Recommended maximum flight weight	10 kg
Recommended maximum flight speed	30 km/h
Estimated safe flight time (with 9 kg take-off weight, at 5 km/h windspeed)	20 min
RTK enhanced GNSS navigation	yes
2 Axis Servo Gimbal	yes
Parachute system	yes
Video Download Link at 5.8 Ghz	yes
Telemetry at 433 MHz	yes
Remote Control with integrated videomonitor	yes
Mission control software	yes

The information above may be subject of changes

The fully integrated solution, Complete Unmanned Aerial System from Cubert

Demand for information about the health of our planet Earth has grown exponentially over the years. Remote Sensing is the science of obtaining that information, usually about objects or areas from a distance, mostly from UAVs. Cubert has been leading the way in the Remote Sensing market with their evolving and innovative range of multispectral and hyperspectral sensors.

Out of the box, ready to fly

Cubert is now offering a fully integrated system for low altitude airborne mapping, combining the latest hyperspectral imaging technologies with a carbon fiber coaxial multicopter, equipped with real-time kinematics technology and mission control options.

RTK-X8

X8 Coaxial System
Produced by Copter Squad



Version 1.1

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