



**Ready to fly foldable  
HighEnd Octocopter**

**RTK-X8**



**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 GNSS
- Weather-resistant design
- Increased safety by integrated parachute system

#### Overview

The RTK-X8 is a X8 multicopter design, where almost all parts are made from 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 and Reliability

Safety is key and this means to be prepared for extreme situations. The purpose of utilising an X8 UAV, is to give redundancy in the event of an aerial collision or motor failure. The X8 can continue to operate and land safely with only 6 or 7 motors operable.

# RTK-X8 Hyperspectral mapping

## Technical Specifications

Overall system weight including gimbal and parachute	5.2 kg
Including 2 x 9000mAh/6S batteries	7.9 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 Brushless Gimbal for S185	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

## Complete Unmanned Aerial System from Cubert

The 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 in its spatial distribution, usually about objects or areas from a distance, like 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 2.2

sales@cubert-gmbh.de · Tel.: +49 731 708 156 00

Cubert GmbH · Lise-Meitner-Straße 8/1 · 89081 Ulm [www.cubert-gmbh.com](http://www.cubert-gmbh.com)