Yuneec H520E Professional Hexacopter drone up to 7 kilometers 7 inch HDMI monitor. Up to 25 minutes of flight. H520E YUNH520EEU YUNH520EUK YUNH520EUS.

CHARACTERISTICS of the new Yuneec H520E.

New more powerful and functional flight controller.
New failsafe battery connector.
New 3.5-7km * long-range OFDM module that is designed for professional, commercial and government requirements in compliance with the new EASA law.
High precision compass and low interference guaranteeing a perfect job.
New 30-pin payload interface allowing multiple compatible devices.
No data transfer to external servers with guarantee of compliance with the data protection law.
With 6 stable and safe rotors, guaranteeing a precision flight and with all the safety measures.
Its operation is completely silent and energy efficient to achieve a quality and safety flight.
The ST16E transmitter with integrated 7 "touch screen, voice output and complete DataPilot ™ software
HDMI signal directly from the ST16E to send the live image of the drone to larger monitors or live broadcasts.
Ser can easily plan a mission on the computer or ST16E

PIONEERING HEXACOPTER WITH ALL THE GUARANTEES OF AN UNMANNED AERIAL VEHICLE.

This next-generation H520E Hexacopter was specially developed for commercial drone applications and provides SAR ground crews, inspectors, police, fire brigades, and surveying crews with a versatile tool. The H520E is a robust, powerful, and flexible UAV platform that can be ideally tailored to individual requirements and therefore enables a variety of industry-specific applications.
The H520E allows professional flights of long periods with high quality camera systems communicating with its integrated GPS that allow to register an area quickly and accurately, its high precision compass without interference allows to fly even in previously difficult to fly environments.

SECURITY CONCEPT

The New Yuneec H520E was developed with the highest demands on safety and functionality. The 6-rotor system enables stable and safe flight by ensuring that the Yuneec H520E can continue to fly safely even if a rotor fails.
Built-in ultrasonic sensors allow the drone to detect obstacles and avoid collisions, while the battery issues battery warnings when the voltage is too low and eventually switches to a fail-safe function. Furthermore, the H520E is equipped with a redundant control signal, a return home and a geo fence function, which ensures that the drone does not move beyond a user-specified radius.

DATAPILOT ™ SOFTWARE

Yuneec DataPilot ™ is a comprehensive software solution for planning survey missions and waypoints, which is fully integrated into the H520E hardware and software. The DataPilot ™ software system enables users to efficiently and consistently create ortho maps, 3D scans, crop data images, in the field or on the desktop for repeatable and retrievable aerial flight paths, without requiring expensive monitoring software. third parties. DataPilot also enables the storage of maps from many map providers for access in areas without connectivity, and provides tools for the precise location of waypoints even in areas where no updated maps are available.

Data security

The H520E has been developed as a closed system, its technical design avoids communication with third-party servers. Communication only takes place between the drone, payload, and the ST16E

remote controller. The log files are stored locally on the drone and are only required by Yuneec for service purposes under warranty. There is no inadvertent data transfer to servers like other brands. Neither the flight data nor the images, videos or log files are sent to external servers and remain in your possession. Therefore, your data is optimally protected.
Yuneec with your new H520E above all complies with the data protection law and the guarantee not to disclose information that you do not authorize.

Yuneec H520E Features
Takeoff weight: 1860g (without tube) Diagonal length: 520mm (without rotor blades)
Dimensions: 551x482x309 mm
Flight time: 25-30 min
Max. Speed: 20 m / s
Max. Ascent speed: 5 m / s
Max. Descent speed: 3 m / s
Max. Flying height: 500 m
Max. Angular velocity: 120 ° / s
Battery: LiPo 4S-6200mAh
Motors: 720kV
Smart Battery Charger: SC4000-4H
Operating temperature: 0 ° C - 40 ° C
Storage temperature: -10 ° C - 50 ° C

OBSTACLE AVOIDANCE

Sensor: ultrasonic (its advantage is that with smoke or fog it still works the same).

Flight speed: 4 m / s

Operating environment: Height> 1.5 m Distance to obstacles <5 m

ST16E radio controller

The Android-based ST16E is equipped with a fast Intel quad-core processor and OFDM support.

Thanks to OFDM support, the live image transmission can be extended up to 3.5-7 kilometers. The integrated 7-inch touchscreen display ensures accurate and intuitive operation of the H520E and displays all flight information as well as the live image from the camera. The live image can also be transferred to a larger monitor or VR headset via the ST16E's HDMI output.