H850 Hexacopter

A new era of Safety, Stability, and Reliability
H850 is the safe, powerful, stable flight platform for industrial applications, equipped with dual IMU, compass, barometer, dual RTK antennas and two intelligent batteries. 60 mins flight time, maximum 3 kg payload capacity, and 15 km data transmitting distance guarantee your work efficiency.

Flight Safety
The H850 hexacopter design ensures safe landing at all times, even in a motor failure.

Position Accuracy
The GNSS positioning system supports GPS, GLONASS, BeiDou and Galileo for accuracy centimetre level.

Compatibility
The H850 is compatible with various survey payloads such as LIDAR, high-resolution survey cameras and multi-lens cameras.

Remote ID Support
One click installs the YCAP-certified Drone-Tag device for remote ID.

Type	H850
Weight	5.800 g (without payload)
Diagonal Size	850 mm
Dimensions (propellers excluded)	unfolded 910×910×470 mm folded 440×365×470 mm
Propeller diameter	440 mm
Max Flight Time	60 mins (without payload)
Max Take off mass	8.800 g
Max Payload mass	3.000 g
Max Wind Resistance	15 m/s
Max Transmitting Distance	15 km
Ingress Protection Rating	IP x4
Max Angular Velocity	120°/s
Max Ascend Speed	7 m/s
Max Descent Speed	6 m/s
Max Horizontal Speed	20 m/s
Max Flight Height	500 m
Max Takeoff Sea Level	5.000 m
Battery	LiHv 6 s 12800 mAh
Recharge Time	1.5 hours
Position System	GPS + GLONASS + BeiDou + Galileo
Hovering Accuracy (Single)	Horizon: ±0.5m Vertical: ±0.5m
RTK(RMS) Accuracy	1cm+1ppm (H) 1.5cm+1ppm (V)
Operating Temperature	-20 °C - 50 °C
Payload	X Connecter Series Gimbals
Classification of the UA	3
Sound Power Level	95 dB

![YUNEEC - A COMPANY OF ATL DRONE]

T-One Controller

- 1.2 kg weight
- 7-inch touch screen
- 1920 x 1200 px screen resolution
- 8 hours of operation time

Weight	1.2 kg
Size	210×195×75 mm
Operating System	Android
Flight Control Software	DataPilot 2.0 App
Operating Frequency	2.5 GHz 5.8 GHz
Transmission Protocol	2.4 GHz, 5 GHz
Transmission Power (EIRP)	2.4 GHz: CE<18 dBm FCC<29 dBm 5 GHz: CE<12 dBm FCC<22 dBm
Max Transmitting Distance (unobstructed, free of interference)	CE: 8 km FCC: 15 km
Video Output Ports	HDMI
OSD Supported	Yes
Built-in Screen Size	7 inch
Video Link Resolution	720 p
Operating Temperature	-20 °C – 50 °C
Battery	7.4 V 10.000 mAh 74 Wh Li-ion

C–Box

- 3.5" Color LCD Display
- 1140 watt (200v-250v), 220/110 volt
- Transport case, easy to operate
- Buzzer alarm
- Compact (370×270×220mm)
- Foam cover battery protection

Weight	5.500 g
Size	382×313.4×202.5 mm
Power Input	Low Voltage: 90-160 V AC 47—63 Hz High Voltage: 160-264 V AC 47—63 Hz
Voltage output mode	Drone battery: 26.4 ±0.1V DC T-One battery: 8.4 ±0.1V DC
Current output mode Low Voltage Input	Drone battery: 8.0 ± 0.3 A T-One battery: 4.0 ± 0.3 A
Current output mode High Voltage Input	Drone battery: 10 ± 0.3 A T-One battery: 4.5 ± 0.3 A
Max Charging Power Low Voltage Input	Drone battery: 912 W T-One battery: 68 W
Max Charging Power High Voltage Input	Drone battery: 1130 W T-One battery: 76 W
Working temperature	10⁻ + 40 °C
Storage temperature	-20⁻+ 80 °C