



Product Name	GAOTek Heavy Lift UAV Long Range Delivery Drone
Product SKU	GAOtek-LRD-165
Product URL	https://gaotek.com/product/gaotek-heavy-lift-uav-long-range-delivery-drone-2/

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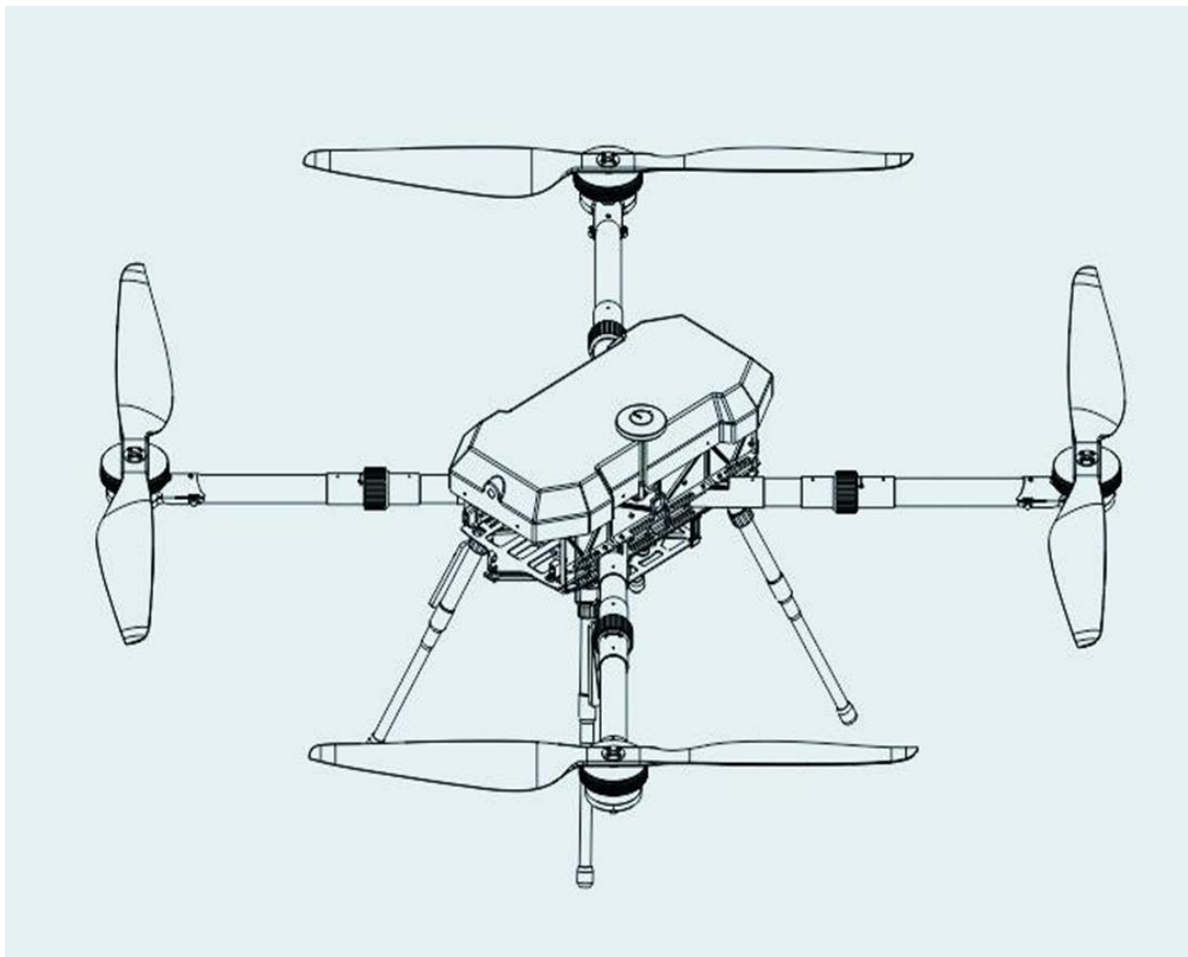
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GAOTek DRONES

User Manual

1.INTRODUCTION:

Being a platform of ultra-light, long endurance and multiple applications, this aircraft can be employed for various missions with corresponding equipment including aerial photography, mapping and surveying, meteorological monitoring, surveillance, military supervision and geo exploration etc. Custom solutions are also available.



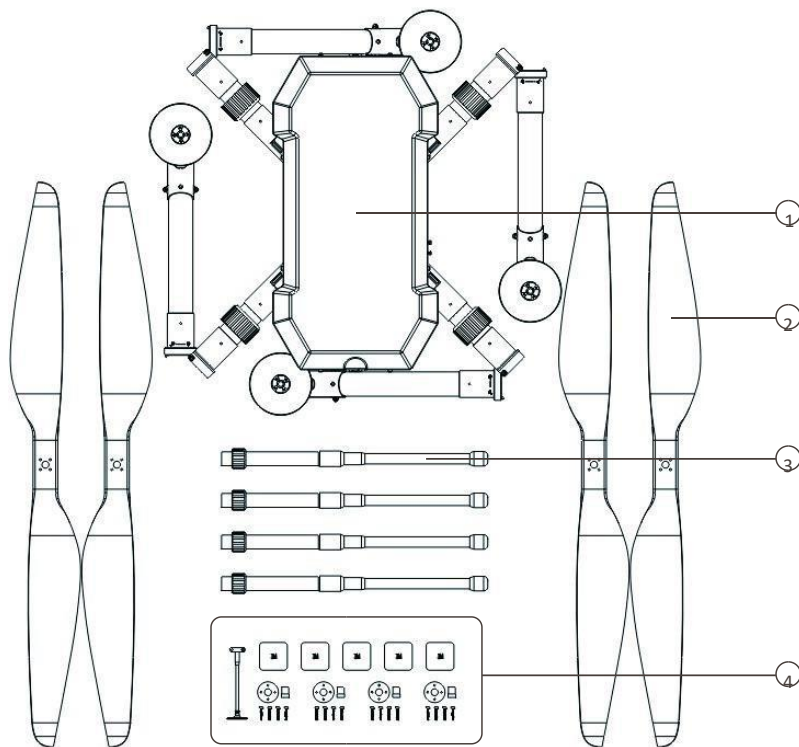
2. TECHNICAL SPECIFICATIONS:

Wheelbase	1230mm	Folding	CCW
AUW	19kg	Payload	2~5kg
Flight Time	2kg Payload ≤68 mins; 5kg Payload ≤ 60mins	Flight Range	10km
Flight Altitude	100~1000m (Typical); 6500masl. (Max)	Flight Speed	10~35km/h (Typical); 65km/h
Battery	New solid 6S 22Ah	FC	Compatible

3. ASSEMBLY

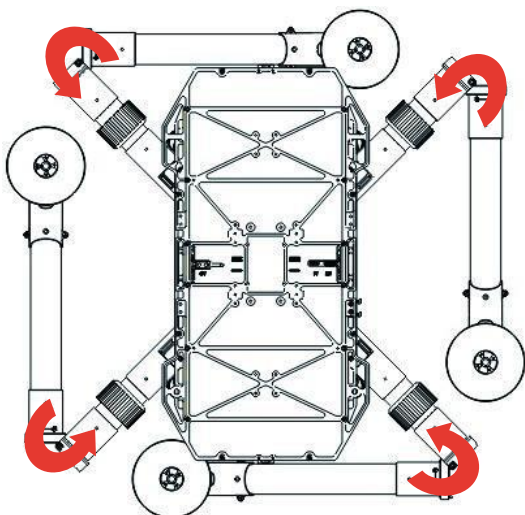
Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.

1. Content (Figure 1)



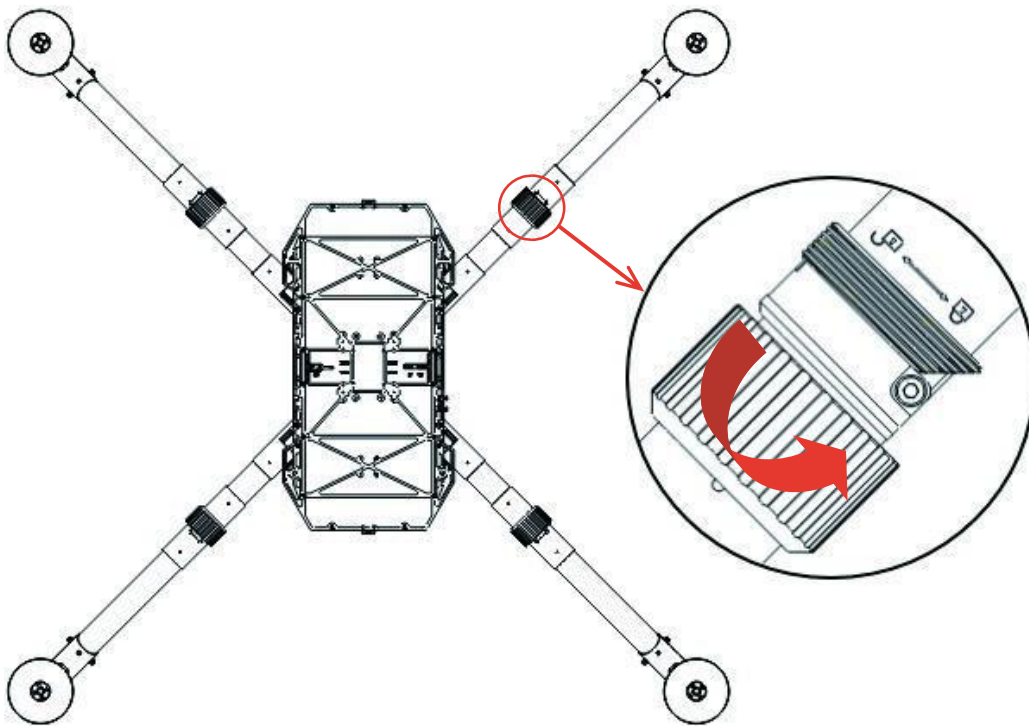
(Figure 1)

2. Take out the frame and spread the arms (Figure 2)



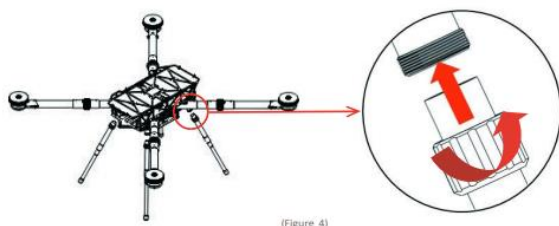
(Figure 2)

3. Turn the folding rings as per the instruction and secure the arms. (Figure 3)

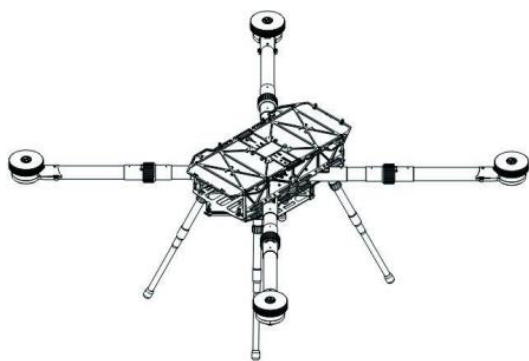


(Figure 3)

4. Attach the landings gears to the frame as per Figure 4. Assembly completes as shown Figure 5.



(Figure 4)



(Figure 5)

4.FEATURES:

Ultra-light materials and structural optimization to obtain longer flight time.

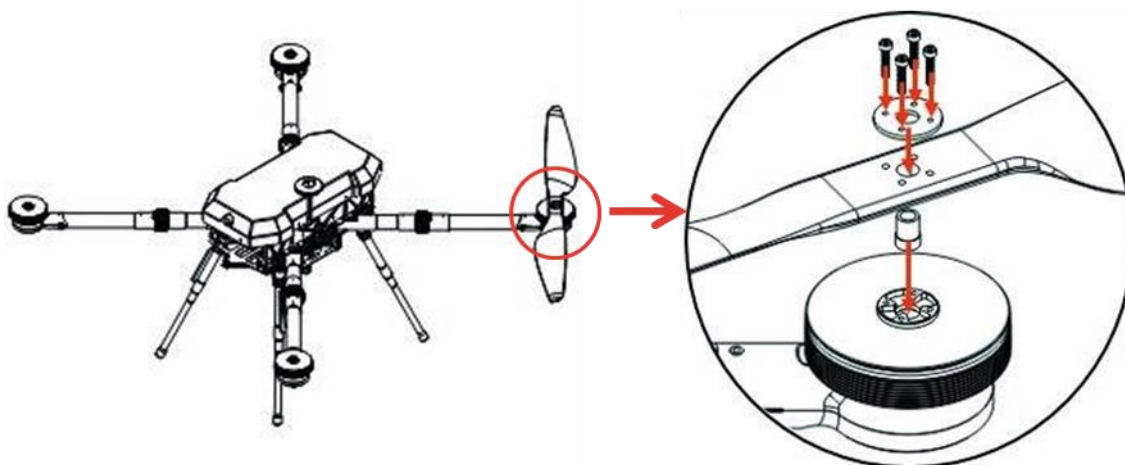
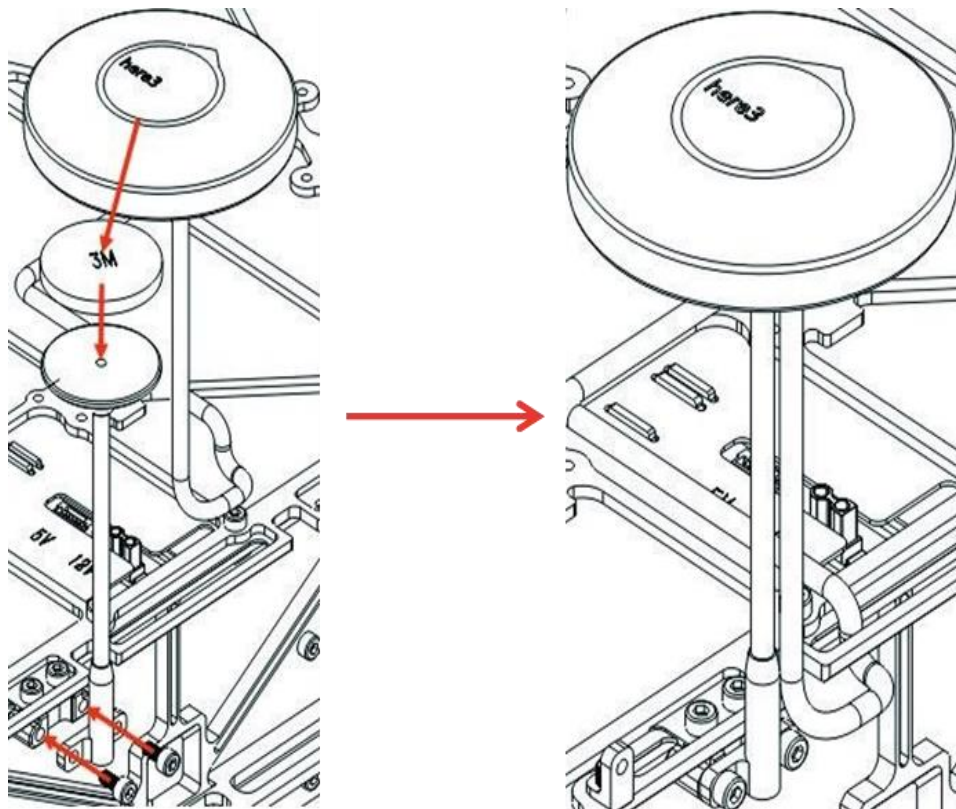
The low center of gravity design makes the aircraft more reliable.

The special-shaped design of the arm root makes the main structure safer and more reliable.

The arms and landing gears can be folded and disassembled quickly.

Chute design for easy installation of battery.

No tools required. Only 10 minutes to get ready to fly.



5.CONFIRGATIONS METHODS AND STEPS:

Model No: GAO1200

SPEC:Frame Size : 1230mm

Flying weight : 17.8kg (with payload and battery)

Useful load: 2-5Kg

Time of endurance: 2kg payload \geq 69mins

5kg payload \geq 60mins

Power system: T-MOTOR U8XL kv100 / Flame HV60A ESC / GL32*11

Packing (G.W. / G): 12000

(SIZE L*W*H / mm): 700*700*370

Unit price/USD EXW: \$2,339.00

QTY: 150

Total price/ USD EXW: \$350,850.00



Model No: Battery for GAO1200

SPEC: Ares 6S 22000mah Li-ion battery

Packing (G.W. / G): 2000

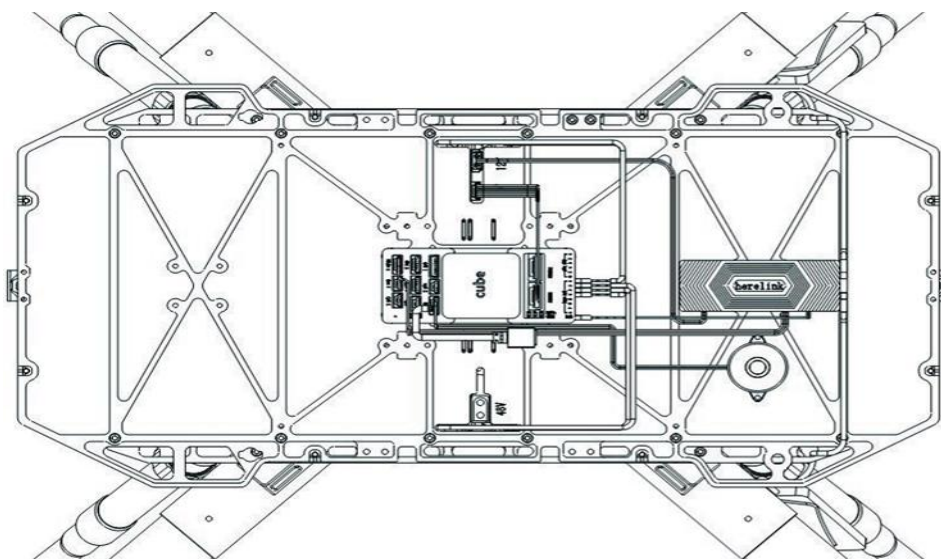
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(SIZE L*W*H / mm): 194*76*65**Unit price/USD EXW: \$349.00****QTY: 600****Total price/ USD EXW: \$209,400.00****Software parts suggestion:****Flight Controller+GPS Pixhawk cube orange+ Pixhawk:****H16 10km remote controller****1080P Digital Video Transmission + Data****Transmission +Telemetry all in one datalink:**



6. FC INSTALLATION

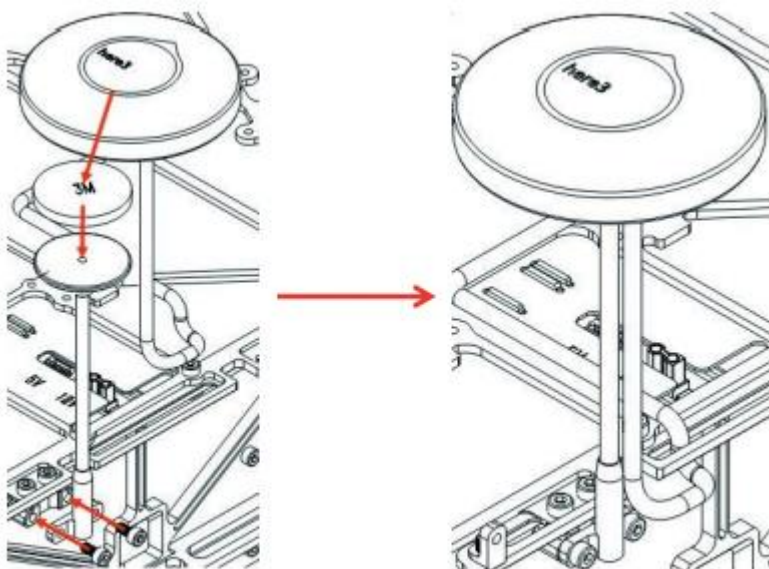
1. Assemble the FC as per Figure 6



2. Stick the image transmission with a 3M tape to the upper plate of the frame (Figure 6). Fix the antenna with 3M tape onto the landing gear as shown Figure.

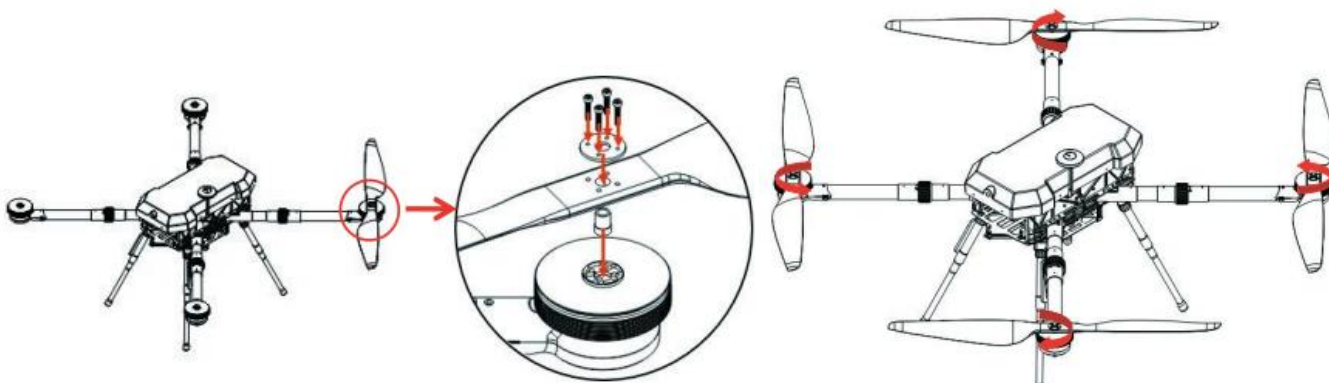


3. Stick the GPS with a 3M tape to the holder and fix the holder onto the body. (Figure 8)



(Figure 8)

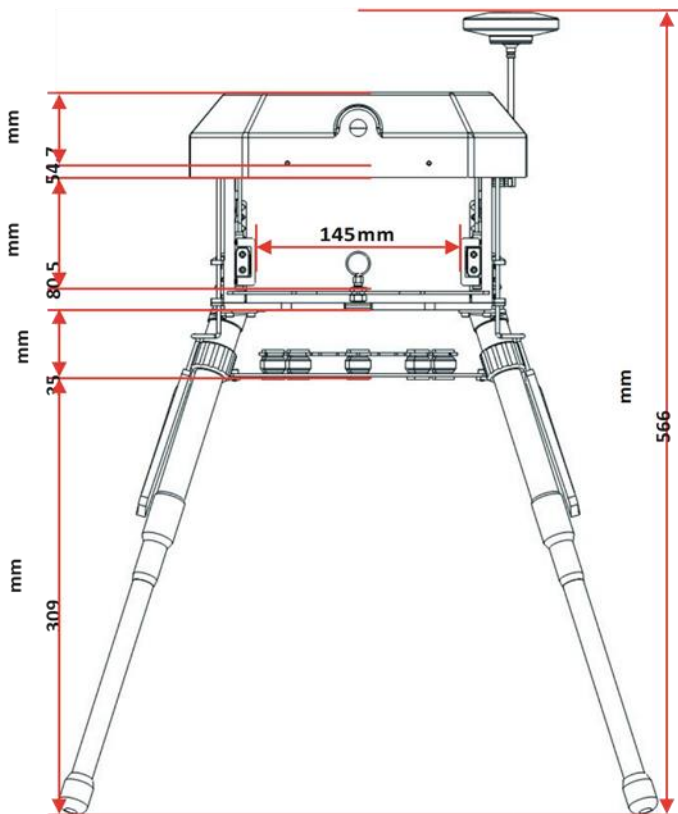
4. Install the propellers as per Figure 9 after calibration of the FC. Propeller installation completed as shown Figure 10.



(Figure 9)

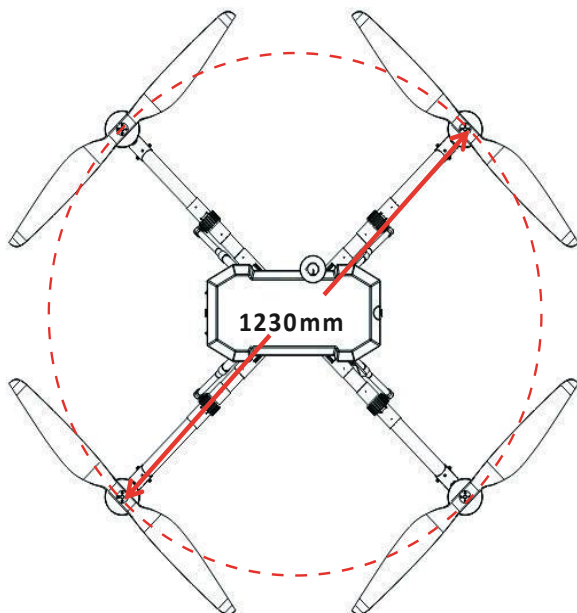
(Figure 10)

7. DIMENSIONS:



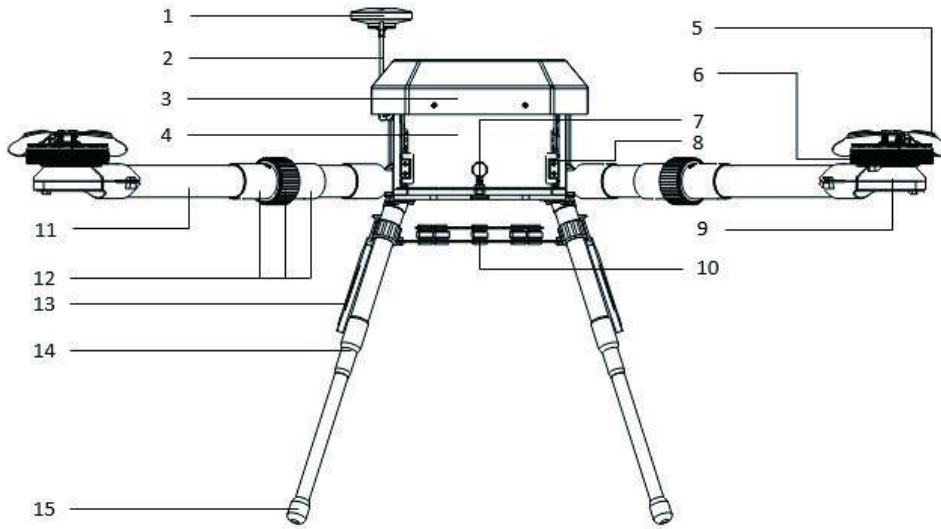
(Figure 13)

- 1 FC installation height: 54.7mm
- 2 Battery case: 145mm*80.5mm
- 3 Inner size for gimbal: 30mm
- 4 Mounting height for gimbal: 309mm
- 5 Height of M1200: 566mm



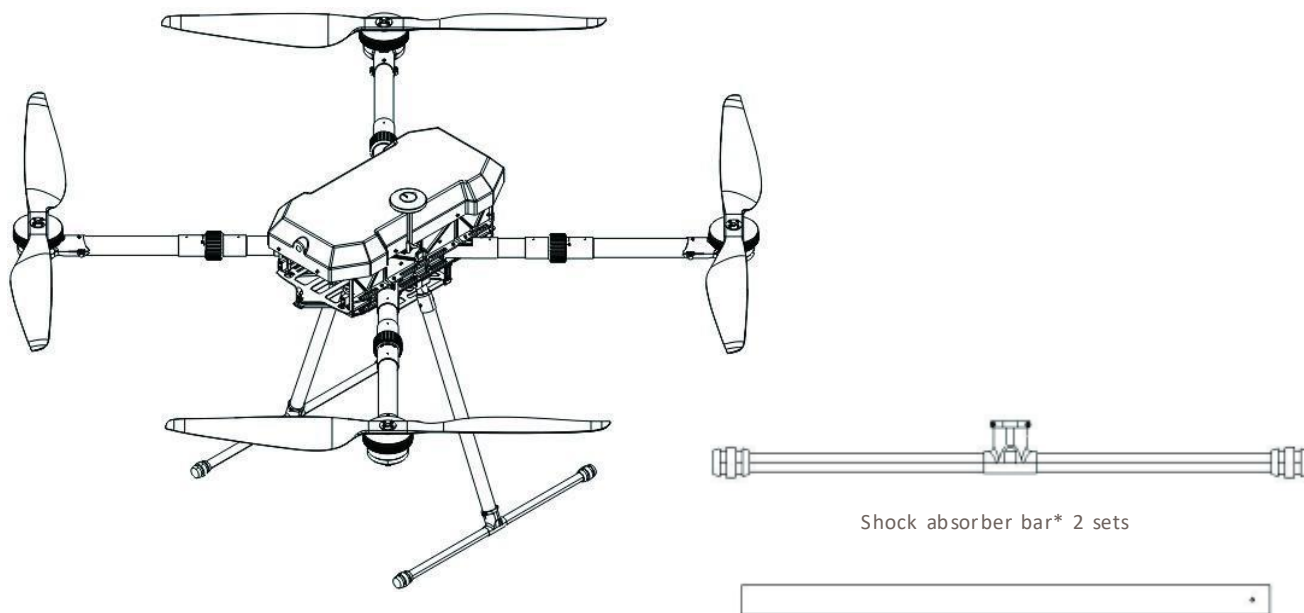
(Figure 12)

8. COMPONENTS:



1. GPS
2. GPS Holder
3. Body Shell
4. PDB Cover
5. Propeller
6. Motor
7. Battery Tray
8. Power Supply Plug
9. Motor Mount
10. Gimbal Stick
11. Arm Tube
12. Folding Sets
13. Antenna

9. ELECTRIC RETRACTABLE LANDING GEAR:



10. DISCLAIMER:

Due to the difficulty and danger in operation of this product, it is prohibited for people under 18 years old to use it. Please do keep out of children's reach, and be cautious when operating this product in places where children are present. Before using this product, please read this document carefully to understand your legal rights, responsibilities and safety instructions; otherwise, property losses, safety accidents and personal safety hazards may be caused. Once you use this product, it is deemed that you have understood, approved and accepted all the terms of this statement. The user is responsible for his/her actions and all consequences arising therefrom. The user promises to use this product only for legitimate purposes, and agrees to the terms and other related policies and guidelines.

T-DRONES shall not be responsible for any losses caused by users not using the product in accordance with this manual.

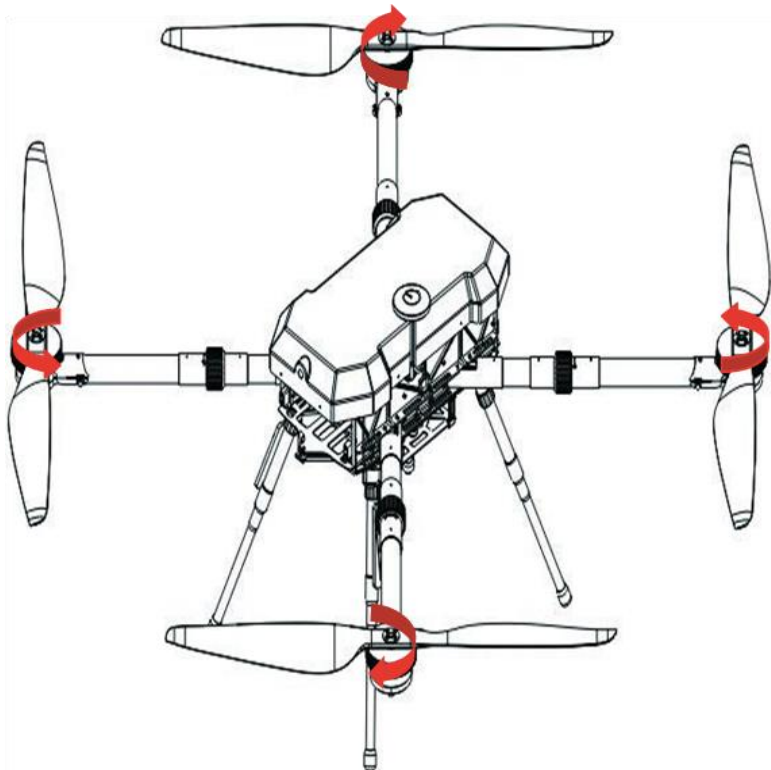
Within the framework permitted by the law, T-DRONES shall not be liable for any indirect, punitive, or incidental damages (including the losses suffered by you due to the purchase, use or inability to use this product).

When using this product, it is necessary to fully understand the relevant specifications and regulations, and to use it with caution. T-DRONES shall not be liable for any third-party personal or property damage caused by a flight accident. TDRONES has the final right to interpret the above permitted by laws and regulations. T-DRONES reserves the right to update, revise or terminate this manual and the disclaimer without prior notice.

11. PRECAUTIONS:

Rotating props on operating M1200 can cause serious injuries. Please make sure to keep a safe distance from the aircraft.

- ALWAYS make sure to stay away from insecurity factors, such as obstacles, people and power lines.
- NEVER get close to rotating motors and props to avoid injuries.
- NEVER overload the aircraft.
- ALWAYS make sure that motors and props are correctly mounted.
- ALWAYS make sure all parts are in good condition before flying.
- ALWAYS make sure the aircraft is well balanced if you are to fly without payload.



(Figure 10)

