

## Hexacopter drone

## ATD600

### Features

- This product has an SDK interface. It can be equipped with a variety of modules and can be quickly replaced.
- Maximum load 5 kg
- Portable. The drone is designed with a press-to-fold structure.
- High safety factor
- Intelligent detection
- Battery life 83 minutes

### Application

- Oil and gas pipeline inspection, police, communication, river
- Railway, telecommunications inspection
- Architectural surveying and mapping, precision agriculture, solar energy detection
- Environmental monitoring.

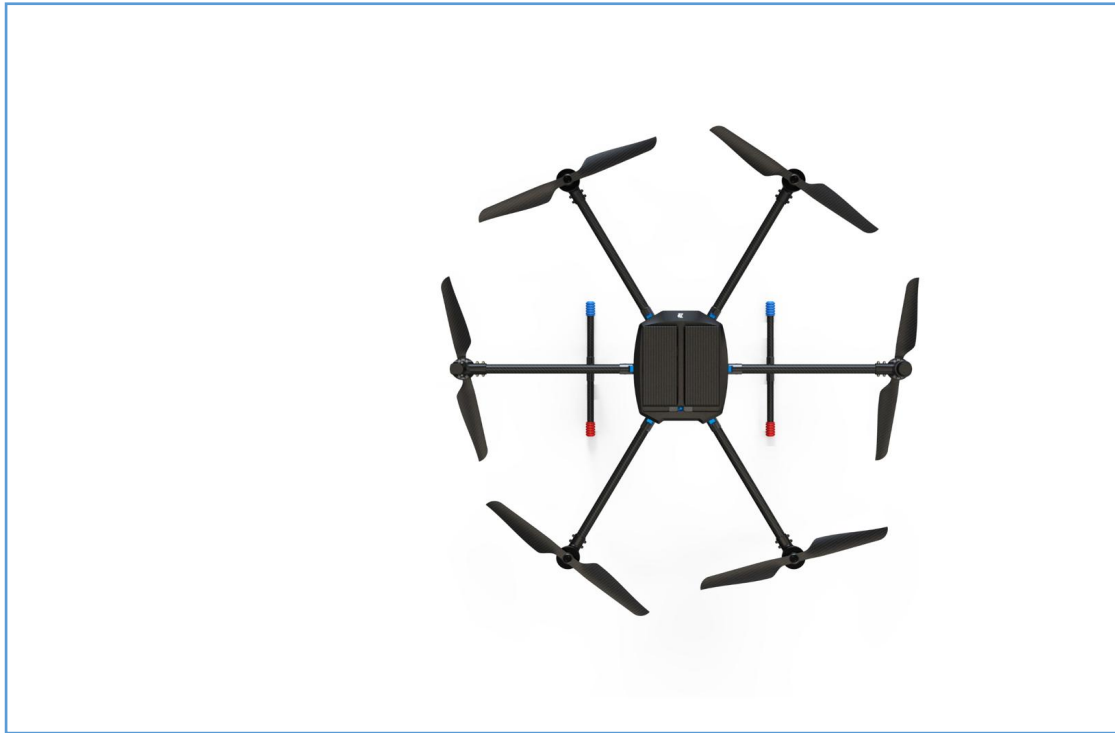
### Description

Has more versatile flight control system. Support more flight mounts and flight modes. Compatible with more industry scenarios and usage methods in all aspects. The drone adopts a press-folding structure design, which can be quickly disassembled and installed by hand in two minutes. After disassembly, it can be placed in a 28-inch three-proof trolley transport box, which is convenient for transportation and carrying.

Drone technology has come a long way, which means we've been able to pack more capabilities into smaller, less expensive packages. Wherever you move, the drone will automatically follow and capture you.

Model	Description
ATD600	Hexacopter drone





## 1.Performance

Model & Parameters	ATD600
GPS accuracy	Horizontal: ±5 cm Vertical: ±10 cm
Maximum speed	Maximum Speed 21 m/s forward – 20 m/s backward and laterall Wind Resistance 16 m/s during Flight & 14 m/s during Take-off and Landing
WEIGHT	Max Load Weight: 5 kg Weight with Battery: 11.2kg Max Takeoff Weight: 16.2kg
Max Practical Ceiling above Sea Level	5000m
MAX Speed	20m/s
MAX Angular Velocity	300°/s
Hovering Time	No Payloads 80 min
	5kg Payloads 40 min
MAX Fly Height	6500m
MAX Transmission Distance	20 km
Size	Unfolded Size 1300×1200×480mm Propellers Length: 24inch

## 2. Advantages



### Various Possibilities

The SDK interface is reserved, which can be equipped with a variety of modules, which can be quickly replaced and applied in different fields. The system does not restrict flight in the area, and the control system has the function of electronic fence, and the user can set the no-fly zone according to the demand.

### Portable

The drone adopts a press-folding structure design, which can be quickly disassembled and installed by hand in two minutes. After disassembly, it can be placed in a 28-inch three-proof luggage, which is convenient for transportation and portability.



### Security

The control system adopts sensor dual redundancy design, which can automatically switch to redundant sensor work when the sensor fails to ensure flight stability. It is also equipped with an collision avoidance radar module, which can automatically identify obstacles ahead; and can realize napoftheearth flight without relying on the topographic map, which is not easily affected by the weather and improves flight safety.



## Intelligent Monitoring

Equipped with an intelligent battery monitoring and management module, it can realize the remote control of the intelligent battery through the data communication link, realize the short-term dynamic discharge of the battery, and prolong the service life of the battery.

## Intelligent Interaction

A single flight is equipped with dual redundant super-capacity batteries, and the smart battery can check the power level with one button, and self-check the battery failure; the integrated power supply design, Thus realizing the real-time management circuit system, and the user does not need too many cumbersome operations.



## ATD600 Flight Efficiency Table

Camera	Resolution	Altitude	Single Sortie Efficiency	Number of Photos
Star Track Y1	1.5	139.4	0.79 Square Kilometer	3510
	2	185	1.45 Square Kilometer	1967
	3	278	2.57 Square Kilometer	852
	5	464	3.92 Square Kilometer	316
X8 PRO	1.5	96	0.4 Square Kilometer	18446
	2	128	0.53 Square Kilometer	10384
	3	192	0.79 Square Kilometer	4680
	5	320	1.25 Square Kilometer	1705
X8 F	1.5	132	0.67 Square Kilometer	10670
	2	176	0.92 Square Kilometer	5974
	3	265	1.32 Square Kilometer	2700
	5	442	2.3 Square Kilometer	957