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Heavy load drone

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Fixed wing

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Small drone

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FPV Drone

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Product Catalog

Heavy load UAV



B100P



B100P+



B100 gasoline engine



B43



B410



S33/S63

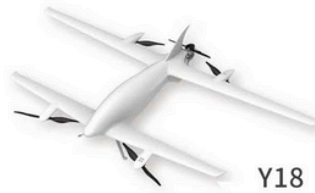


A610



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Fixed wing



FPV Drone



Small drone



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Accessory

FPV



C10
three-axis visible light



C20 Triple-axis visible light
Searchlight with 22x digital zoom



Ultra clear camera C10



Dual light infrared
camera C12



Triple-light-infrared
laser camera C13

remote control



H12



H20



H30



S20

Mount device



Loudspeaker



searchlight



three-axis
Searchlight



Capture
net emitter



38MM
emitter



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Accessory

Transport



Descent device



Vertical thrower



Shipping box

Cleanse



Photovoltaic panel cleaning



Cleaning gun

Fire fighting



Dry powder fire extinguishing



25L Water-based fire extinguishing



Dry powder fire extinguishing tank



Window breaker - Fire extinguisher



Fire spray gun



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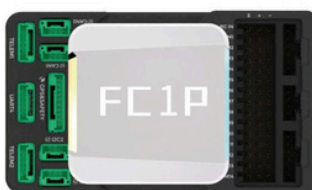
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Main control product



FC1 Flight controller

- STM32H753 high-speed processor, operating at 480MHz frequency
- Dual industrial grade IMU combination redundancy design
- High integration stacked design, ultra small size
- Rich interface design, convenient installation of side leads



FC1P Flight controller

- Built in shock absorption, suitable for various harsh body environments
- Three sets of IMU, supporting intelligent fault switching
- Support temperature compensation, better IMU working condition
- Support CAN ammeter



FC1P+ Flight controller

- Aerospace grade ADIS14670 sensor
- Built in shock absorption, suitable for various harsh body environments
- Three sets of IMU, supporting intelligent fault switching
- Support temperature compensation and CAN ammeter



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Main control product

FC1 Flight controller

FC1 is a compact, stable, and highly flexible self driving device with an STM32H753 high-speed processor and a 480MHz operating frequency



Technical Parameter

Main processor	STM32H753 Arm® Cortex®-M7 480 MHz 2Mb Flash
Sensor	
Accelerometer	IIM-42652/BMI088
Gyroscope	IIM-42652/BMI088
Electronic compass	IST8310
Barometer	ICP-20100/BMP581
Work environment and physics	
PM working voltage	4.5 ~ 5.5 V
USB voltage	4.75 ~ 5.25 V
Servo input	0 ~ 10V
Working temperature	-20 ~ 85 °C
Working humidity	5% ~ 95%(Non condensing)
Weight	33.8g

Interface

UART serial port	4
I2C	3
PWM output	14
RC IN	1, supporting PPM/SBUS/DSM, etc
RSSI input	PWM or 3.3 analog voltage
CAN standard bus	FD-CAN *2
Power input	1
GPS&Safety Switch	1
GPS 2	1
ADC	2
Debug	1
USB interface	1



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Main control product

FC1P Flight controller

It adopts STM32H7 series processor, integrates high-precision industrial grade sensors and ultra-low temperature drift sensors, stable and reliable; Perfectly compatible with ArduPilot and PX4 firmware



Technical Parameter

Main processor	STM32H743
Sensor	
Accelerometer	ICM-42688-P / ICM-20689 / ICM-20689
Gyroscope	ICM-42688-P / ICM-20689 / ICM-20689
Electronic compass	RM3100
Barometer	MS5611 *2

Work environment and physics

PM working voltage	4.5 ~ 5.5 V
USB voltage	4.75 ~ 5.25 V
Servo input	0 ~ 10V
Working temperature	-20 ~ 85 °C
Working humidity	5% ~ 95%(Non condensing)
Weight	101g

Interface

UART serial port	5
I2C	6 (two separate I2C interfaces, two integrated into GPS/UART 4 interface)
PWM output	14 (12 of which support dshot protocol)
RC IN	1, supports PPM/SBUS/DSM
RSSI input	PWM or 3.3 analog voltage
CAN standard bus	2
Power input	2 (Power A is a regular ADC power detection interface; Power C is a CAN ammeter interface)
GPS&Safety Switch	1
GPS interface	2 (UART4 can be used as GPS2 interface)
ADC	1
Debug	1
USB interface	1



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Main control product

FC1P+ Flight controller

FC1P+flight control is suitable for professional level users. Equipped with high-end processors, sensors, and industrial grade compasses, a temperature compensation system with processing speeds of up to 480MHz, 1M RAM, and 2M flash memory



Technical Parameter

Main processor	STM32H743
----------------	-----------

Sensor

Accelerometer	ADIS16470 / ICM-42688-P / ICM-20689
Gyroscope	ADIS16470 / ICM-42688-P / ICM-20689
Electronic compass	RM3100
Barometer	MS5611 *2

Work environment and physics

PM working voltage	4.5 ~ 5.5 V
USB voltage	4.75 ~ 5.25 V
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GPS&Safety Switch	1
GPS interface	2 (UART4 can be used as GPS2 interface)
ADC	1
Debug	1
USB interface	1



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Product details

B100P、B100P+



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Machine parameters

B100P		B100P+	
Overall size		1725*1755*1075mm	
Transport size		1054*834*1120mm	
Empty weight	35kg	Empty weight	38kg
Rated load capacity	50kg	Rated load capacity	40kg
Battery specifications	18S 30Ah Smart Battery*2	Battery specifications	18S 70Ah Solid state battery*2
Battery weight	13.5kg/piece	Battery weight	15kg/piece

Dual battery life

Load	Time of flight	Load	Time of flight
0kg	30min	0kg	1h09min30s
5kg	28min	5kg	53min46s
10kg	25min	10kg	48min54s
20kg	23min	20kg	41min20s
30kg	21min	30kg	36min48s
40kg	17min	40kg	30min13s
50kg	14min		

B100P single battery life

Load	0kg	5kg	10kg	20kg	30kg	40kg	50kg
Time of flight	16min	14min	13min	12min	11min	8min	6.5min



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B100 Oil-powered UAV

The B100 oil-powered UAV features a 16kW aviation range extender for extended endurance, ready to fly upon refueling; 3.6h empty load, 2.5h full load, with a maximum range of 250km



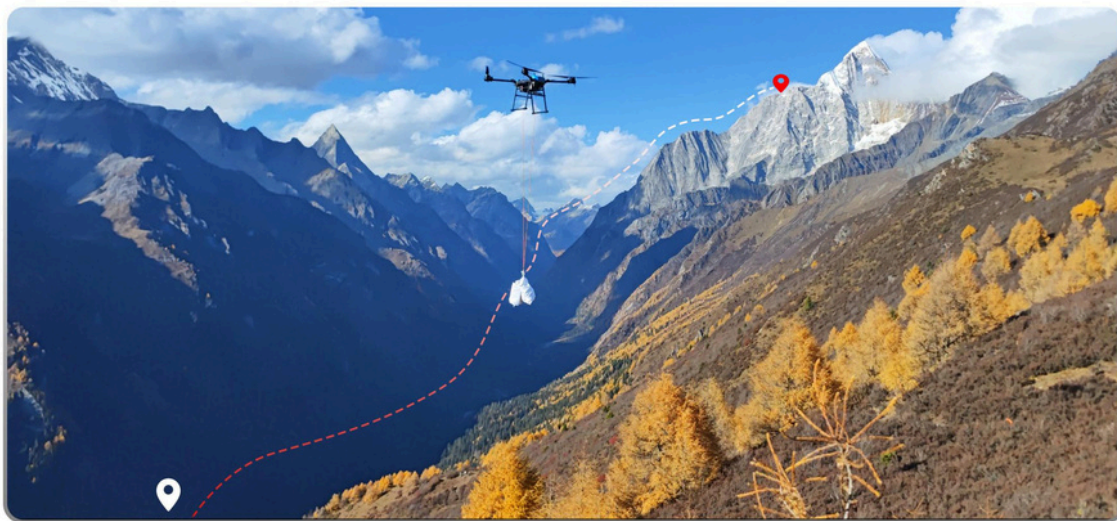
Technical Parameters

Aircraft weight (Including fuel tank, coolant, and spare battery)	73Kg
Empty load one-way	20m/s*60s*220min=264km
Maximum load capacity	20Kg
Empty load range	3h46min at takeoff weight of 87.8Kg
Full load range	2h38min at takeoff weight of 107.8Kg
Remote control distance	<90Km(Ground-to-air, unobstructed)
Fuel consumption rate	450g/kwh, Maximum output current 275A Noise120dB (1m)
Fuel tank capacity	20L (14.8Kg)
Full load one-way	20m/s*60s*150min=180Km
Maximum flight speed	20m/s
Spare battery	18S 10000mah
Engine power	16Kw
Engine output voltage	74V
Starting method	Remote electric start

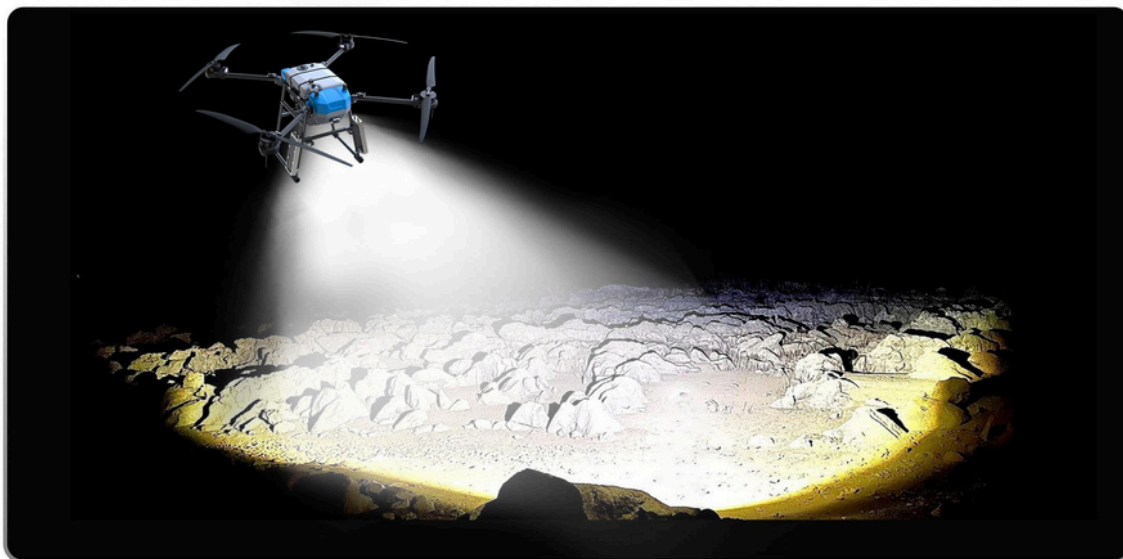


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Scene shooting



Real time remote transmission of high-definition video surveillance, ultra long distance transportation, 250km . (Rated load capacity 20kg)



Can be equipped with high-power lightingEmergency lighting and broadcasting, relaycommunication



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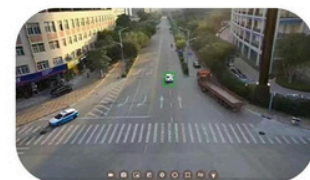
A610 Drone

A6-10 is a 10kg unmanned aerial vehicle that can be equipped with dual light and triple light cameras; Can mount professional equipment such as catapults, loudspeakers, searchlights, etc



- 1 ----- A610
- 2 ----- Vertical thrower
- 3 ----- Loudspeaker
- 4 ----- three-axis Searchlight
- 5 ----- C12

Application shooting



Technical Parameter

Product size	1260x1440x500mm
Total weight of the machine (excluding battery)	10 kg
Standard takeoff weight	26.5 kg
Remote control distance	20km(No obstruction, open environment)
Battery capacity	14S2P(24000mAh51.8V)
Time of flight	40 min(14S2P@24000 mAhBattery&Load Capacity5.0kg) 52 min(14S2P@24000 mAhBattery&Load Capacity3.0kg) 60 min(14S2P@24000 mAhBattery&Load Capacity1.0kg)
Maximum flight speed	13.5m/s



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B43 Drone

B43 is a 70min long endurance flight platform; IP65 dustproof and waterproof, foldable and portable, multifunctional application



Technical Parameter

Expand size	710*710*500mm
Folding size	345x435x500mm
Whole machine weight (excluding battery)	3.5kg
Standard takeoff weight	8.8kg
Maximum takeoff weight	11kg
Remote control distance	20km(No obstruction, open environment)
Battery capacity	6S(33000mAh 22.2V)
Battery weight	2.6kg
Flight time	70min(6S@33000mAhBattery&No load) 35min(6S@33000mAhBattery&Load Capacity3kg)
Maximum flight speed	20m/s



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B410 Drone

B410 is a 60 minute long endurance flight platform; Foldable and portable, multifunctional application



Technical Parameter

Expand size	1000*1000*600mm
Folding size	580x500x600mm
Whole machine weight (excluding battery)	10.12kg
Standard takeoff weight	30.3kg
Maximum takeoff weight	33.6kg
Remote control distance	20km(No obstruction)
Battery capacity	12S(60000mAh 44.4V)
Battery weight	8.5kg
Flight time	60min(No load) 30min(Load capacity 10kg)
Maximum flight speed	20m/s



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S33/S63 Oil moving helicopter



Technical Parameter

	S33	S63
Maximum load capacity	≤120kg	≤250kg
Maximum flight time	4h	6.5h
The farthest flight distance	100km	100km
Size	≥3000×900×1300mm	≥3500×1300×1600mm
Maximum load	≥150kg	≥360kg
Maximum takeoff weight	≤300kg	≤660kg
Maximum flight altitude	Maximum flight altitude	≤6000m
Cruise speed	0-25m/s	
Wind resistance level	15m/s	
Flight function	Automatic cruise control and automatic return	
flight	Semi automatic/fully automatic mode	
Structural layout	Tandem helicopter	
Engine function	Support external lubricating oil for two-stroke engines, automatic proportional adjustment system, and automatic start function for electronic cooling fans	



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Scene shooting



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Fire Rescue

Flight platform



B100P



B100P+



B43



B410



A610

Installable accessories



Single axis high-definition
camera C10



Dual light infrared
camera C12



Three light infrared laser
camera C13



Loudspeaker



Searchlight



three-axis
Searchlight



Vertical thrower



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Application Introduction Fire rescue

Fire fighting—B100P+



Can be carried



9-way thrower



Fire extinguishing ball



Fire extinguisher



Fire extinguisher



Horizontal fire extinguisher



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Application shooting



Dry powder fire extinguishing tank



25L Water-based fire extinguishing



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Application Introduction carry

Freight transportation—B100P



Can be carried



Descent control
device



Transport
box

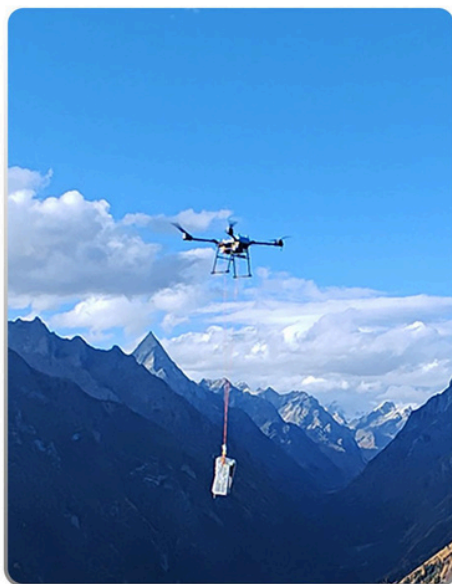


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Scene shooting



Efficient power redundancy, total takeoff weight up to 110kg, wind resistance level up to 5



Material lifting



Emergency rescue



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Parameters of installable accessories

Window breaker - Fire extinguisher



Maximum range	≤50m
Initial velocity of launch	≤30m/s
Coverage Area	10m ³ (completely submerged)
Glass breaking ability	Penetrating 16mm thick tempered glass within 18 meters
Structural principle	Dry powder slow-release spray, non explosive
Types of fire extinguishing agents	ABC ultrafine dry powder

Dry powder fire extinguishing tank



weight	24kg
Spray distance	≥10m
Fire extinguishing materials	Ultra fine dry powder
Fire extinguishing range	100m ³
Tank pressure	0.8-1.2Mpa
Spray time	≤60S
Spray direction	Down/Forward
fire rating	02.5A/13B/E/5F

Vertical thrower



Number of mounting points	4/6 pieces
Throwing mode	Single throw/Full throw
Single mounting point load-bearing capacity	50kg

25L Water-based fire extinguishing



External dimensions	Outer diameter of 260mm Length 620mm
Types of fire extinguishing agents	Dry powder and water-based fire extinguishing agents
Bomb altitude	30-150 meters
weight	24.8kg
Fire control area	≥ 125 square meters
Explosion height	≥ 5 meters

Fire spray gun



Interface type	KY40
Water hose	40mm
flow	0.24 L/M
Outlet diameter	13mm
Type of effluent	Water, Class A foam
length	1800mm
diameter	48mm
weight	2.6kg
Spray distance	≤20m

Dry powder fire extinguishing



weight	4kg
diameter	215mm
Fire extinguishing range	9m ³



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Application Introduction

Photovoltaic Cleaning—B100 P



High definition dual light camera can quickly identify areas with high heat generation

Photovoltaic cleaning drone parameters

Full load takeoff weight of the entire aircraft	110kg
Overall dimensions	1725*1755*1075mm
Maximum liquid loading capacity	50L/50kg
Cleaning flow rate	4~10L/min
Cleaning width	2~8m
Suggested flight speed	1~5m/s
Clean flight altitude	1~5m
Cleaning efficiency	1 MW/h
A box of cleaning solution flight time	5~12min



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Application Introduction

Wall Cleaning—B100 P



High rise building cleaning drone

Full load takeoff weight of the entire aircraft	110kg
Overall dimensions	1725*1755*1075mm
Maximum liquid loading capacity	50L/50kg
Maximum flow velocity	≤30L/min
Spray distance	≤10m
3D flight route	Support vertical 3D flight path
flight altitude	≤100m
Cleaning efficiency	2000m ² /h
Cleaning impact pressure	3—10kg
High pressure pipe diameter	6mm
High pressure pipe material	Ultra light nylon high-pressure pipe

Ground high-pressure pump

High pressure pump type	Diesel
Internal pressure	150Bar



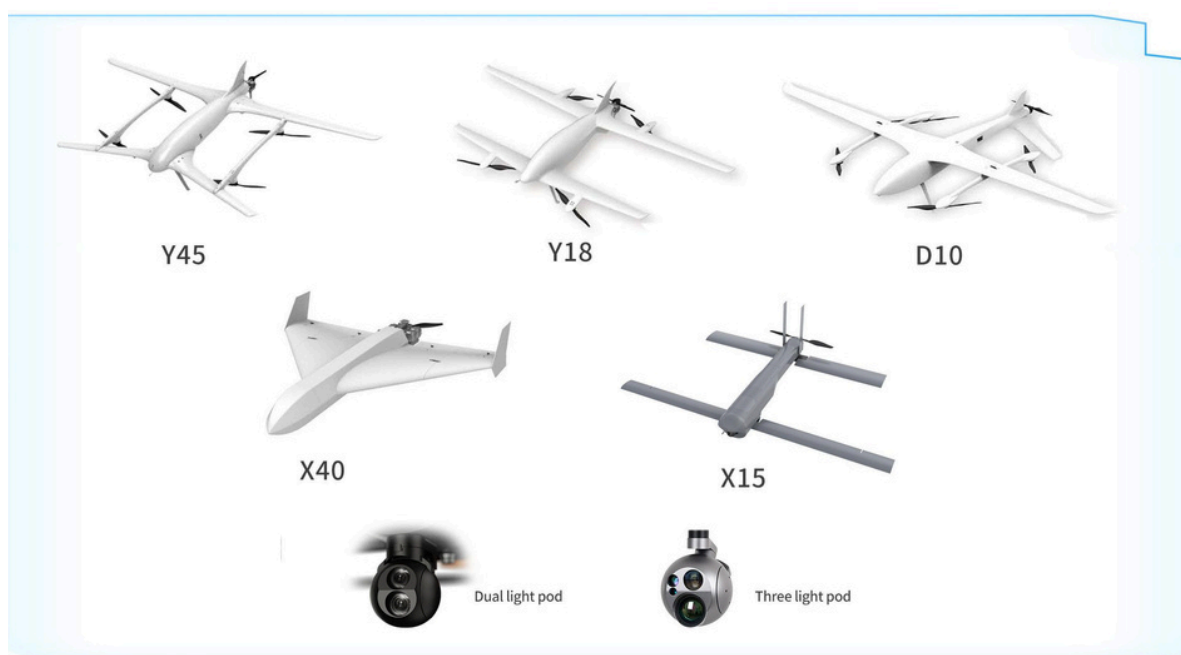
Multiple water nozzle options,
ground high-pressure water pump



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Fixed wing+Accessory

Fixed wing+optional accessories



Technical Parameter

Name	Y45	Y18	D10	X40	X15
Length and height	2905*930	2020*696mm	2263*552	2433*391mm	1951*517mm
Wingspan width	5100/3530mm	3744*2820	4005mm	2140mm	1951mm
Energy type	Fuel and electric	Fuel or electric	Electric	Fuel	Electric
Maximum takeoff weight	100kg	40kg	30kg	140kg	15kg
Maximum load capacity	45kg	18kg	10kg	40kg	5kg
Battery life	30kg/4.4h	5kg/15h	10kg/2h 5kg/4h	20kg/5h	5kg@50min
Maximum range	1000km	700km	346km	675km	70km
Flight altitude	5000m	5850m	4500m	4000m	300—1000m



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Y45 Scene shooting



Capable of carrying 20 kilograms and flying for 7 hours
Tandem drone layout, high efficiency, stable structure



Vertical takeoff and landing, unrestricted flight site



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Technical Parameter

Y45 Parameter	
Overall length	2905 mm
Height	930 mm
Wingspan	Rear wing 5100mm&front wing 3530mm
Drone material	Aviation carbon fiber composite materials
Engine	Gasoline engine
Load capacity (including oil)	45 kg
Maximum safe takeoff weight	100 kg
Safe level flight speed	28~45 m/s
Cruise speed	30 m/s
Full load fuel consumption	4L/h
Maximum range	810 km
Practical ceiling	5000m
Usage temperature	-20°C-45°C
Wind resistance level	Level 5 takeoff and landing/Level 6 flight
Packaging size	3050*800*950 mm
Body protection level	IPX4



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Y18 Scene shooting



The engine and propeller are placed behind the fuselage for higher propulsion efficiency, clean main wing airflow, and lower overall drag



Carry more payload



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Technical Parameter

Y18 Parameter	
overall length	2001 mm(Gasoline version)
height	696 mm
wingspan	Rear wing 3744mm&front wing 2820mm
Maximum safe takeoff weight	Gasoline version 40 kg
Payload	18kg
Safe level flight speed	22~40 m/s
Cruise speed	25 m/s
Full load fuel consumption	0.96L/h
Standard fuel tank capacity	13 Liters
Maximum range	1220 km(Gasoline version)
Practical ceiling	5000m
Usage temperature	-20°C-45°C
Wind resistance level	Level 5 takeoff and landing/Level 6 flight
Packaging size	2120*900*640 mm
Drone protection level	IPX4



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D10 Scene shooting



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Technical Parameter

D10 Parameter	
Overall length	2263mm
Height	552 mm
Wingspan	4005 mm
Drone material	Aviation carbon fiber composite materials
Maximum load capacity	10 kg
Maximum safe takeoff weight	30kg
Safe level flight speed	20-33 m/s
Cruise speed	24 m/s
Battery life	2h@10kg 4h @5 kg
Maximum range	346 km
Practical ceiling	4500 m
Usage temperature	-20°C-45°C
Wind resistance level	Level 5 takeoff and landing/Level 6 flight
Packaging size	1840*720*600 mm
Body protection level	IPX4



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X40 Scene shooting



The entire fuselage is made of aviation carbon fiber composite material, with high structural strength and light weight, suitable for various application scenarios such as harsh environments and heavy mission loads



The tailless delta wing layout makes the fuselage structure simpler, easier to deploy quickly, and easier to maintain. The modular design makes its transition more convenient while also considering versatility



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Technical Parameter

X40	
overall length	2433 mm
height	391 mm
wingspan	2140mm
Body material	Aviation carbon fiber composite Materials
engine	Gasoline engine
Load capacity	40kg
Maximum safe takeoff weight	140 kg
Safe level flight speed	40-65 m/s
Cruise speed	50 m/s
Diving speed	58 m/s
Full load fuel consumption	16L/h
Maximum range	675 km
Practical ceiling	4000 m
Usage temperature	-20°C- 45°C
Wind resistance level	Level 5 takeoff and landing/Level 6 flight
Body protection level	IPX4



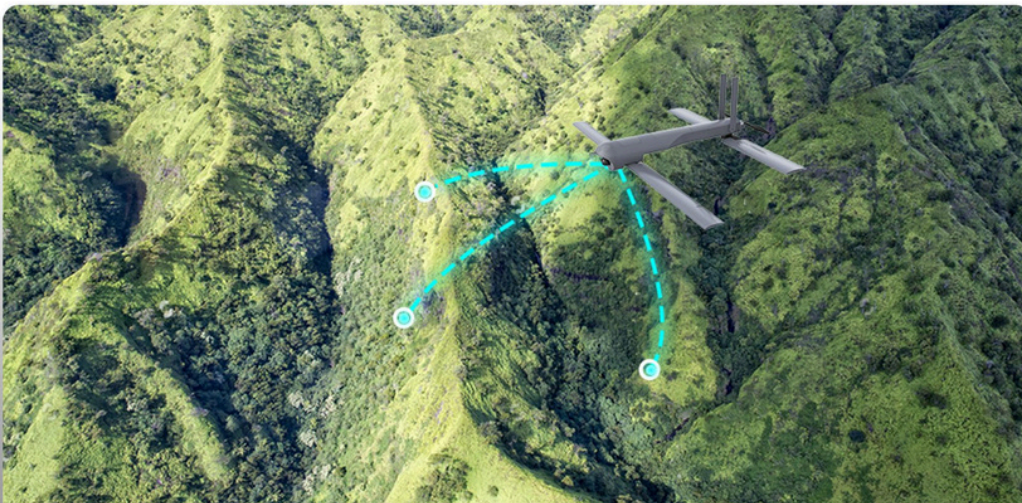
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X15 Scene shooting



Relay communication drones can be used to provide relay communication services for patrol missiles, enabling flight in complex battlefield environments and ensuring communication stability



X15 loads ammunition to locate and track enemies within the target area, "investigate" potential high-value targets, and then execute precise execution instructions



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Technical Parameter

X15 Parameter			
Maximum takeoff weight	15kg	Overall dimensions	1951*1231*517mm
Maximum load capacity	5kg	Task distance	70 kilometers
Maximum flight speed	50m/s	Cruise speed	30m/s
Full load flight time	60min	flight altitude	300—1000m
Launch method	Catapult, launcher	Communication distance	30KM/50km/100KM links are optional
Visible light recognition	4m*6m \geq 1000m	Infrared recognition	4m*6m \geq 1000m
Communication operating frequency band	600Mhz-2000Mhzcustomizable	GNSS anti-interference	Capable of strong interference suppression, anti-interference and anti deception



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Small drone

Drone+Parameter



Technical Parameter				
Name	T1	T2	T3	T4
weight	900g	1600g	1209 g	1860 g
wheelbase	368mm	464mm	397 mm	486 mm
Folding size	210x123x95mm	257*136*133mm	230*130*108mm	272*175*130mm
Expand size	433x516x95mm	576*660*149mm	457*558*108mm	432*345*126mm
Battery life	36min	42min	38min	41min
Maximum range	12km	12km	12 km	12 km
Camera type	16x zoom dual beam infrared camera	16x zoom dual beam infrared camera+laser rangefinder	16x zoom dual beam infrared high-definition camera	32x zoom dual beam infrared camera
Protection level	IP43	IP43	IP43	IP43
Maximum payload weight	not have	360g	110g	not have
Maximum flight altitude	800m	800m	800m	800m
Maximum wind resistance	10m/s	12m/s	10m/s	12m/s
working temperature	-10°C~+40°C	-20°C~+50°C	-10°C~+40°C	-20°C~+50°C




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T1




Lightweight and Portable | Quick Folding

 Flight 36 min

 12km image transmission

3-Directional Binocular Vision

 Obstacle Avoidance

+ 48 million pixels, 16x digital zoom, infrared dynamic area temperature measurement



Target investigation, emergency search and rescue,
law enforcement, power inspection



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T2




Intelligent evaluation of complex environments, real-time generation of 3D flight paths, and fully autonomous intelligent obstacle avoidance.

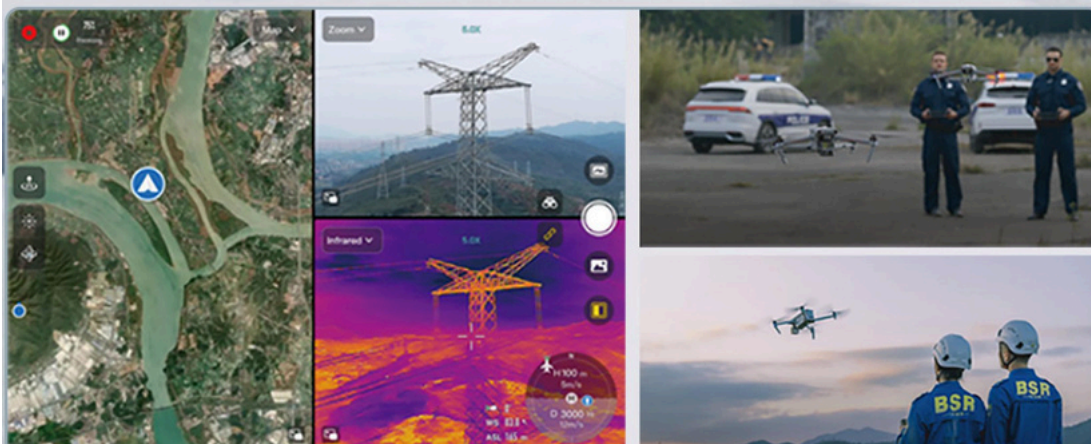
Flight without GPS positioning, target tracking with thermal imaging.

 Flight without GPS

 Automatic path generation

 Omnidirectional intelligent obstacle avoidance

 Target tracking



High definition image transmission, multi scenario application



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T3



Thermal imaging | Visible light
Six directional binocular | omnidirectional obstacle avoidance

Four rotor small unmanned aerial vehicle, supporting thermal imaging and visible light, with flexible deployment capability, and 15KM high-definition image transmission.

The drone is equipped with 12 visual sensors, integrating 19 sets of sensors such as the main camera, ultrasound, IMU, etc., to construct real-time 3D maps and plan paths

Multi angle and all-round obstacle avoidance, easily traversing complex areas such as jungles, mountains, and cities, providing escort for flight missions

Functional Features



Thermal imaging camera

640 * 512 high-resolution infrared thermal imaging camera, 13mm focal length lens and 16x digital zoom function, easy to observe distant targets

Visible light camera

Support 50 million pixel visible light imaging, discover more details, assist in evidence collection, and achieve accurate judgment

15km HD image transmission

Maximum image transmission distance of 15 kilometers, supporting three frequency bands: 2.4GHz/5.8GHz/900MHz *, adaptive switching of transmission frequency bands to ensure stable and smooth signal transmission, providing protection for shooting operations

Accessories (optional)



Night navigation lights	
size	39*72*34 mm
Scope of work	5000 m
brightness	Max 486cd; Average 290cd



Loudspeaker	
Size	46*80*77 mm
Adjustable angle	0°~45°
Max decibel	120dB



Searchlight	
Size	48.5*72*63 mm
Scope of work	30 m
illumination	11lux @ 30 meters direct




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
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T4



High resolution infrared thermal imaging camera
| Quick folding | Flexible and lightweight

 41 minute long battery life

 15km Image transmission distance

 Multi angle and all-round obstacle avoidance

 48 million pixels, 32x digital zoom, infrared dynamic area temperature measurement



Equipped with a loudspeaker, searchlight Multiple payloads such as AI boxes and RTK modules cover a wide range of mission scenarios and have a wide range of applications



CONTACT US

Multimagotrade.com
+40-758-667-671

FPV Drone

Flight platform+optional



7-inch model



10-inch model



First Person View



Fiber optic anti-interference
communication



Remote control kit

Technical Parameter

Name	7Inches	10Inches
Flight control/ Electric adjustment	F405 55A ESC	F405 55A ESC
Image transmission	5.8G 2.5w VTX with antenna	5.8G 2.5w VTX with antenna
receiver	ELRS 915 Receiver	ELRS 915 Receiver
Camera	CADDX Ratel 2	CADDX Ratel 2
Electric machinery	2812 1300kv	3115 900kv
Size	275x250x36mm	350X330x36mm
Electric tuning	55AESC	60AESC
Propeller	HQ 7X3.5X3cm	HQ 10X4.5X3cm
Flight speed	140km/h	140km/h
Rated load	1.5kg	2.5kg
Maximum load	2kg	3.5kg
Empty flight time	30 mins	28 mins
Carrying flight time	12 mins (6s 6000mah, 1.5kg)	10 mins (with 6s 8000mah, 2.9kg)



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FPV Drone



Fiber optic communication, fearless of interference
Disregarding terrain obstruction, preventing eavesdropping and
theft, high-speed data transmission without delay



Ultra lightweight airborne SKY sky end fiber optic disc module



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AI recognition and tracking



Tracking gimbal



AI flight control



AI module



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