



We help you build your own brand of drone

Email: jiyi@jiyuav.com

web: www.jiyuav.com/en/

Y50-X8

INDUSTRIAL DRONE

- APPLICATIONS
- Logistics
- Fire-fighting and rescue
- Security for police
- Forest fire fighting
- Urban law enforcement patrol inspection
- Military Drone
- Tethered emergency lighting





Product Highlights:









- 1、 The body structure adopts X8 coaxial double oars, which is more stable and safer;
- 2、 Two cameras, one towards the drone head and the other towards the ground, which is safer.
- 3、 Avoid obstacles front and back, and fly more safely;
- 4、 RTK system, more accurate flight.

Product parameter:




Basic parameter	Symmetric wheelbase: 1925mm	Container Capacity: 50L
	Overall size: 1465*1475*595mm	Folded size: 770*985*700mm
	Total weight (with battery): 48KG	Power battery: 18S30000mAh
	Standard take-off weight: 98KG	Maximum flying speed:20m/s
	Power system: X11	Propeller: 47in
	Hover time (no load): 20.5min	Maximum operating height: 500 meter
工作模式 Working mode	AB Operating mode(RTK)	Intelligent operating mode

Flight platform configuration:

Name	Photo	Configuration Note	Quantity
Weight lifting 50kg frame		frame+propulsion set	1 set
KX Flight controller		Flight controller for industrial application	1set

Remote controller			1set
Front obstacle avoidance radar			1set
Back obstacle avoidance radar			1set
CAN Hub			1 piece
Drones de Rtk-device Radio version			1set
RTK basic station Radio version			1set
Battery		Dual battery solution, theoretical battery life of 20 minutes endurance 18s, 30ah/2.8	2 groups
charger		Fast charging, high power	1 group



Security application for police configuration:


Name	photo	parameter	configuration
thrower (8 routes)		<p>size 969*235*130 mm Size 969*235*130 mm; Delivery mode: sequential electric control; Release switch: actuator PWM; Remote control of control switch; Interface: quick disconnect interface;</p>	1set
Dry powder fire extinguishing ball		<p>Sphere diameter 215mm Net weight of sphere 4kg Delivery mode: sequential electric control Alarm loudness 240db Effective fire extinguishing space 9m³ Automatic fire extinguishing time ≤ 3S Type of extinguishing agent ABC superfine dry powder</p>	1set
Water based fire bomb		<p>The main material of the shell is PET plastic; Full bomb length (mm) ≤ 370 Full bomb weight (kg) ≤ 5.5 Type of fire extinguishing agent: Guardian no. 1 and water gel water-based fire extinguishing agent. Net weight of extinguishing agent (kg) ≥ 5 Single fire bomb extinguishing agent distribution area (m²) ≥ 40 Safety radius of fire bomb (m) ≥ 15m Fire bomb safety release height ≥ 15 meters The dropping height of the fire-extinguishing bomb is 15~100 meters Service life of fire extinguisher ≥ 5 years</p>	1set

Broken window fire bomb launching equipment		<p>Main material of monomer: aluminum alloy</p> <p>Glass breaking capacity: a single shot of 18m directly penetrates the tempered double-layer vacuum glass (16mm thick)</p> <p>Maximum range $\leq 50m$</p> <p>Shelf life: 5 years</p> <p>Electric starting parameters: DC12V 700HA</p>	1set
Broken window fire bomb		<p>Full length $\leq 995mm$</p> <p>Full bomb weight $\leq 3010g$</p> <p>Type of extinguishing agent: ABC superfine dry powder</p> <p>Dry powder extinguishing agent net weight 1100g</p> <p>The fire extinguishing capacity of a single bullet is $9.2m^3$</p>	1set
Fire spraying equipment			1set
Smoke and gas emission module		<p>Size: 220mm * 135mm * 260mm</p> <p>Mounting weight: 4kg</p> <p>Material: aluminum alloy;</p> <p>Electric control mode: PWM control</p> <p>Magazine: 8 rounds</p> <p>Angle adjustment; Support 360 °</p>	1set

Emergency rescue application:

NAME	Photo	Parameter	Configuration
------	-------	-----------	---------------


<p>pager</p>		<p>Product type: UAV mounting equipment Product model: YM-1L Power supply mode: 12v-24v Product size: 204mm * 150mm * 150mm Maximum decibel: 130dB Maximum power: 50W Effective broadcasting distance: 500-1000m Product weight: 700g ± 20g Working temperature: - 20 ° - + 60 ° Communication mode: remote control link Calling mode: APP real-time calling, TTS text to voice (support circular playing), audio file playing (except H12), one key alarm. Audio file format WAV MP3 AAC M4A Optional 4G with handheld microphone</p>	<p>Anti collision box *1 Pager * 1 Switch * 1 Connecting cable* 2 Microphone * 1</p>
<p>Matrix illumination</p>		<p>Power consumption: 80W Size: 200*35*25mm Weight: 200g Input voltage: 20 ~ 60d c Working current: 1.3 ~ 4A Temperature protection: 60 °C Remote control: optional Led type: CREE LED Luminous flux: 20000lm Working mode: lighting once power on / by remote control</p>	<p>1set</p>


Lifebuoy throwing module		<p>Built in 1080p HD throwing aiming</p> <p>Lens assisted search and accurate casting</p> <p>Applicable to: marine emergency rescue throwing</p>	
--------------------------	---	--	--

Logistics application configuration:

Name	Photo	Parameter	Configuration
Descent control device		<p>Body size: 140*162*177mm</p> <p>Body weight: 2800g</p> <p>Working height: \leq 20m</p> <p>Input voltage: 24V</p> <p>Working speed: 5m/min</p> <p>Main material: aluminum alloy</p> <p>Load bearing: \leq 30kg</p> <p>Wire diameter: 1.5mm</p>	<p>Anti collision box *1</p> <p>Descent control device *1</p> <p>Automatic decoupling *1</p>

Patrol application configuration:

Name	Photo	Parameter	Configuration
5G module		<p>Size: 83mm * 79mm * 24mm</p> <p>Real time video transmission delay: within 300ms minimum (depending on local network conditions)</p> <p>Peripheral accessories: antenna, 20s power module</p> <p>Main application: high end UAV application</p> <p>Weight: about 1100 G</p>	<p>Anti collision box *1</p> <p>Descent control device *1</p> <p>Automatic decoupling *1</p>

<p>Dual-light pod</p>		<p>White light camera CMOS size: 1 / 2.8 Inch; 2 megapixel wide dynamic CMOS sensor; Optical zoom: 30x HD optical zoom lens, $f = 4.5 \pm 10\% \sim 135 \pm 10\%$ mm Focusing time: real time fast focusing function, focusing time < 1s Digital zoom: 4x Image storage format: JPEG Video storage format: mp4</p> <p>Thermal imaging Resolution: 640 * 512 pixel Pixel spacing: 12 μ m Wavelength range: 8 ~ 14 μ m Thermal sensitivity (NETD): $\leq 50\text{mk}@25\text{ }^\circ\text{C}@F1.0$ Video output: network IP output Field angle: 19mm fixed focus lens, FOV: 32.9x26.6 Measurement function (optional): center point, maximum temperature and minimum temperature display function; Support global temperature measurement Video transmission mode: RTSP video stream PTZ size: 120mm * 155mm * 175mm</p>	
-----------------------	--	--	--

Company profile:



- Establishment: JIYI was established in May 2014 with a registered capital of 35 million yuan;
- Team background: the core team comes from the UAV related project field
- Mission: as a company committed to providing core technology solutions for intelligent unmanned systems such as UAVs, we will become a leading provider of UAV flight control systems and complete aircraft solutions.
- Performance: JIYI has completed the shipment of tens of thousands of flight control systems, and has provided UAV design and solution services to more than 150 customers, including many stock listed companies. The products have been exported to more than 78 countries. The shipping volume of flight controller is the top three in the industrial, and the plant protection flight controller is the first in the industrial.
- Qualification: the flight controller of JIYI has obtained professional certification such as FCC, RoHS and ISO9000.
- Technology: JIYI has mastered the core technology and is a high-tech enterprise in Shanghai. It has applied for more than 70 patents and software copyrights, and more than 20 invention patents.
- Mainly engaged in the design, R & D, production, sales and related training services of aerospace equipment, unmanned aerial vehicles and intelligent patrol robots. Among them, intelligent UAV products cover fixed wing, multi rotor, composite wing and other types, and are widely used in police, fire fighting, disaster relief, border defense, line patrol, surveying and mapping, plant protection and other fields;