

**Compact Quadcopter Kit Takeoff Weight 1025g Max.Flight Time 47 min  
Wheelbase 372 mm Max.Flight Speed 18 m/s Fpv Goggles Eachine VR-007**

Our Product Introduction

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### Basic Information

- Brand Name: FOVA
- Certification: ROHS
- Model Number: FOVA X8 Thermal
- Minimum Order Quantity: 2
- Price: 1-10pcs ¥24,000; 11-100pcs ¥21,600; 101-1000pcs¥19,200; >1000pcs ¥16,000
- Packaging Details: 600\*500\*200mm
- Delivery Time: 25
- Payment Terms: T/T
- Supply Ability: 1000pcs/Mouth



### Product Specification

- Weight: 855g
- Fpv Goggles: Eachine VR-007
- Live Video Feed: Yes
- Type: Quadcopter
- Battery Capacity: 2200 MAh
- Remote Controller: 2.4GHz
- Fpv: Yes
- Frame Material: Glass Fiber
- Highlight: **1025g Compact Quadcopter Kit,  
372 mm Compact Quadcopter Kit,  
47 min Compact Quadcopter Kit**



## Product Description



### FOVA X8 Thermal Mini Unmanned Aerial

- I Takeoff Weight 1025g
- I Max.Flight Time 47 min
- I Wheelbase 372 mm
- I Max.Flight Speed 18 m/s

#### Parameters

Aircraft	
Folding Body Size	204*106*72.6 mm (Without paddle)
Expanded Body Size	242*334*72.6 mm (Without paddle)
Bare Weight	855 g
Take-off Weight	1205 g
Wheelbase	372 mm
Max. Ascent Speed	5 m/s
Max. Descent Speed	4 m/s
Max. Flight Speed	18 m/s
Max. Takeoff Altitude	<6000 m
Max. Flight Time	47 min
Max. Range	33km
Max. Wind Rating	Level 7
Operating Temperature	-10~40°C
GNSS	GPS+GLONASS+BeiDou+Galileo
Expansion Joint	12-PIN Data Connector (Female)
Hovering Accuracy	Vertically ±0.1 m / +0.5 m, Horizontal ±0.3 m / ±0.5 m
Wide Angle Camera	
Image SensorsDigital Zoom	1/2-inch CMOS, 48 megapixels
Digital Zoom	1~5X
Camera Lens	FOV 79°
Aperture	F/1.6
Camera Focus	4.71 mm
Equivalent Focal Length	24 mm
Depth	1 m to infinity
ISO Scope	Video 100-26500, photos 100-6400
Shutter Speed	1/8000 sec. to 2 sec
Effective Pixel	48 million
Max. Image Size	8064*6048
Max. Video Resolution	3840*2160@30fps
Video Max. Bitrate	100 Mbps
Video Format	MP4
Image Format	JPEG / DNG
Infrared Thermal Imaging Sensor	
Pixel pitch	12 microns
Video Resolution	640*480@30fps
Focal length	19mm
Equivalent Focal Length	80 mm
DFOV	30.7°
Aperture	F11
Focusing Distance	5 m to infinity

Palette	White Heat / Black Heat / Jungle /Iron Red / Rainbow / Aurora Borealis /Shimmer / Glow Gold / Red Heat /Medical / Gold Red
<b>Long Focus Camera</b>	
Image Sensors	1/2.5-inch CMOS
Digital Zoom	5-30X
Camera Lens	FOV 21.5°
Aperture	F/3.0
Camera Focus	14.46 mm
Equivalent Focal Length	120 mm
Depth	10 m to infinity
Effective Pixel	12 million
ISO Scope	Video 100-6400, photos 100-6400
Shutter Speed	1/8000 sec. to 2 sec.
Max. Image Size	4000*3000
Max. Video Resolution	3840*2160@30fps
Video Max. Bitrate	100 Mbps
Video Format	MP4
Image Format	JPEG / DNG
File System	FAT32 / exFAT
<b>Long Life Edition Smart Battery</b>	
Capacity	5000 mAh≈333 g
Weights	14.4 V
Rated Voltage	16.8 V
Charge Limit Voltage	Li-ion 4S
Battery Type	72wh
Energy	0~40°C
Charging EnvironmentTemperature	5000 mAh≈333 g
<b>Payload</b>	
Three-axis Structure Range	-115°~40° (Pitch),-40°~40° (Roll) -40°~40° (Heading)
Rotation Range	10°~-90° (Pitch)
Angular Momentum Range	±0.005°

## Product Description:

The FPV Drone Kit is a top-of-the-line product designed for enthusiasts seeking an immersive and thrilling drone flying experience.----- Equipped with cutting-edge features and advanced technology, this drone kit offers an unparalleled combination of performance, durability, and functionality.

The remote controller included in this FPV Drone Kit operates on a 2.4GHz frequency, providing a reliable and stable connection between the pilot and the drone. With this controller, users can enjoy precise control and responsiveness, allowing for seamless navigation and maneuverability during flight.

Constructed with high-quality glass fiber material, the frame of the drone is not only lightweight but also incredibly durable, ensuring optimal protection against impacts and crashes. This robust frame design enhances the overall longevity of the drone, making it suitable for both beginners and experienced pilots.

Powering the FPV Drone Kit is a high-capacity 2200 MAh battery, delivering extended flight times for prolonged enjoyment in the air. The battery's ample capacity ensures that users can maximize their time flying without frequent interruptions for recharging. Additionally, the drone's efficient power management system optimizes battery usage for enhanced performance.

Weighing just 855g, the FPV Drone Kit strikes the perfect balance between portability and stability. This lightweight design allows for agile and nimble flight maneuvers, enabling pilots to explore various aerial stunts and tricks with ease. Despite its light build, the drone remains sturdy and resilient, capable of withstanding diverse flying conditions.

Enhancing the drone's signal transmission and reception capabilities is the Pagoda Antenna, which ensures a strong and reliable connection between the drone and the controller. This high-performance antenna minimizes signal interference and enhances communication range, providing users with a seamless and uninterrupted flying experience.

When it comes to charging the FPV Drone Kit, users can take advantage of the included charging power of 130w, enabling quick and efficient recharging of the battery. This high-power charging capability reduces downtime between flights, allowing pilots to stay in the air longer and make the most of their drone flying sessions.

Moreover, the FPV Drone Kit boasts a protection grade of IPX4, offering resistance against water splashes and light rain. This added protection ensures that the drone can withstand mild weather conditions, giving users the flexibility to fly in different environments without compromising performance or durability.

In summary, the FPV Drone Kit is a premium product that combines innovation, performance, and reliability to deliver an exceptional flying experience. With its advanced features, durable construction, and user-friendly design, this drone kit is ideal for enthusiasts looking

to take their aerial adventures to new heights.

Features:

**Product Name:** FPV Drone Kit  
**Remote Controller:** 2.4GHz  
**Altitude Hold:** Yes  
**Battery Capacity:** 2200 MAh (Battery capacity 8200mah)  
**Frame Material:** Glass Fiber  
**Video Transmitter:** 5.8G 600mW

Applications:

The FOVA X8 Thermal FPV Drone Kit is a versatile and high-quality product designed for a variety of application occasions and scenarios. With its advanced features and specifications, this drone kit is suitable for a wide range of uses. Here are some of the product application occasions and scenarios:

- 1. Aerial Photography and Videography:** The FOVA X8 Thermal FPV Drone Kit is perfect for capturing stunning aerial shots and videos with its live video feed capability. Equipped with a high-definition camera that supports video resolution 1080P, this drone kit ensures crisp and clear footage from above. Whether you are a professional photographer or a hobbyist looking to capture breathtaking views, this drone kit is ideal for aerial photography and videography.
  - 2. Surveillance and Security:** The FOVA X8 Thermal FPV Drone Kit can also be used for surveillance and security purposes. Its live video feed feature allows you to monitor a specific area in real-time, making it suitable for security applications. The thermal imaging capabilities of this drone kit provide enhanced surveillance options, making it a valuable tool for security professionals.
  - 3. Search and Rescue Operations:** Due to its durable frame material (Glass Fiber) and stable flight performance, the FOVA X8 Thermal FPV Drone Kit is well-suited for search and rescue operations. Its long wheelbase of 430mm ensures stability during flight, making it reliable in emergency situations. The live video feed and high-quality camera resolution also aid in locating and rescuing individuals in hard-to-reach areas.
  - 4. Environmental Monitoring:** With its thermal imaging capabilities and reliable Vtx (5.8GHz 40CH) system, the FOVA X8 Thermal FPV Drone Kit can be used for environmental monitoring purposes. Whether it's tracking wildlife, monitoring vegetation, or assessing environmental conditions, this drone kit provides valuable data for research and conservation efforts. The Pagoda Antenna ensures a strong and stable signal transmission, making it ideal for outdoor monitoring tasks.
- Overall, the FOVA X8 Thermal FPV Drone Kit is a versatile and reliable product that caters to various application occasions and scenarios. Its high-quality features, including the 2200 MAh battery capacity, certification (ROHS), and competitive pricing, make it a top choice for professionals and enthusiasts alike. Whether you need a drone for aerial photography, surveillance, search and rescue, or environmental monitoring, the FOVA X8 Thermal FPV Drone Kit delivers exceptional performance and value.

Support and Services:

Our FPV Drone Kit comes with comprehensive product technical support and services to ensure you have a smooth flying experience. Our team of experts is available to assist you with any technical issues, troubleshooting, or questions you may have regarding the FPV Drone Kit.

Our services include:

- Technical support via email or online chat
- Product manuals and guides for easy setup and operation
- Video tutorials for assembly and flying tips
- Replacement parts availability for repairs or upgrades
- Community forums for sharing experiences and getting advice from other users

Rest assured that our dedicated support team is committed to helping you get the most out of your FPV Drone Kit.



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