

Small Integrated Drone,Takeoff Weight : 245 G ,Max.Flight Time : 32 Min
Wheelbase : 214 Mm, Max.Flight Speed : 16 M/s

Basic Information

- Place of Origin: SHENZHEN
- Brand Name: FOVA
- Certification: ROHS
- Model Number: FOVA Mini3
- Minimum Order Quantity: 100
- Price: 1-10pcs¥1,919;11-100pcs¥1,786;101-1000pcs¥1,650;>1000pcs¥1,520
- Delivery Time: 15
- Payment Terms: T/T
- Supply Ability: 1000pcs/Mouth



Product Specification

- Protection Class: IP67
- Sensing Method: Photoelectric
- Response Time: Less Than 10ms
- Current Consumption: Less Than 100mA
- Detection Range: Up To 10 Meters
- Dimensions: 30mm X 30mm X 60mm
- Housing Material: Stainless Steel
- Operating Temperature: -20°C To 60°C
- Highlight: 32 min integrated drone , Small integrated drone , 245 g integrated drone

Product Description

FOVA Mini3 SE Small integrated drone

I Takeoff Weight :245 g
 I Max.Flight Time:32 min
 I Wheelbase:214 mm
 I Max.Flight Speed:16 m/s

Parameters

Aircraft	
Folding Body Size	145*85*56 mm (Without paddle)
Expanded Body Size	200*145*56 mm (Without paddle)
Take-off Weight	245g
Wheelbase	214 mm
Max. Ascent Speed	4 m/s
Max. Descent Speed	2 m/s
Max. Flight Speed	16 m/s
Max. Takeoff Altitude	≤4000
Max. Hover Time	29 min
Max. Flight Time	32 min
Max. Tilt Angle	35°
Max. Wind Speed	10.7 m/s
Operating Temperature	0-40°C
GNSS	GPS+GLONASS+BeiDou+Galileo
Hovering Accuracy	Vertically ±0.1m /±0.5 m Horizontal±0.3m /±0.5m
Remote Controls	
Weight	260 g
Product Size	165*89*47mm
Min. Delay	120 ms
Operating Band	2.4000GHz to 2.4835GHz, 5.725GHz to 5.850GHz
Max. Endurance	8h (Without charging the mobile device) 4h (In case of charging mobile devices)
Battery Type	Li-ion
Battery Capacity	3500mAh
Rated Voltage	3.7V
Impon	5V=2A
Operating temperature	0-40°C
Charge Temperature	5-40°C
Supported Interface Types	Lightning USB-C
Maximum signal effective distance	(no interference, no obstruction)
FCC =9 km	(Open and undisturbed environment)
Payload	
Three-axis Structure Range -110° - 40°(Pitch) , -40° -40°	-110° - 40°(Pitch) -40°-40°(Roll)
Rotation Range	10°- -90°(Pitch)
Angular Momentum Range	±0.01°
Smart Battery	
Capacity	2200mAh
Weight	85g
Charge Limit Voltage	8.8V
Rated Voltage	7.7V
Battery Type	Li-ion 2S
Energy	16.92 wh
Charging Environment Temperature	5 -40°C
Camera	
Image Sensor	1/2.5-inch CMOS
Digital Zoom	6×
Camera Lens	FOV74°
Aperture	F/2.2
Camera Focus	2.35 mm
Equivalent Focal Length	20 mm
Depth	0.8 m to infinity
ISO Scope	Video100-6400.photos 100-6400
Shutter Speeds	1/8000 sec.to 2 sec
Effective Pixel	12 million
Max. Photo Size	40000*3000
Max. Video Resolution	3840*2160@ 30/25/24fps
Video Max. Bitrate	100 Mbps
Picture Format	JPG
File System	FAT32 / exFAT

Product Description:

The Photoelectric Pod is a high-quality product designed for various industrial and commercial applications. With its durable stainless steel housing material, the pod offers robust protection and longevity in challenging environments. The compact dimensions of 30mm X 30mm X 60mm make it easy to integrate into existing setups without occupying too much space.

Operating within a wide temperature range of -20°C to 60°C, the Photoelectric Pod ensures reliable performance even in extreme environmental conditions. Its threaded mounting type provides a secure and stable installation, allowing for precise positioning and alignment as needed.

Weighing less than 100g, this lightweight pod offers easy handling and maneuverability, making it suitable for use in various applications where weight is a critical factor. Whether it's for automated systems, robotics, or other industrial processes, the Photoelectric Pod delivers exceptional performance and versatility.

Key Features:

Housing Material: Stainless Steel

Dimensions: 30mm X 30mm X 60mm

Operating Temperature: -20°C To 60°C

Mounting Type: Threaded

Weight: Less Than 100g

Additionally, the Photoelectric Pod boasts impressive performance attributes, including a Max. Ascent Speed of 5 m/s and a Max. Descent Speed of 3.5 m/s. These speeds enable efficient movement and positioning in dynamic environments, enhancing overall operational efficiency.

Furthermore, the Photoelectric Pod offers a Max. Takeoff Altitude of ≤4000, making it suitable for applications that require elevated positioning capabilities. Whether it's for aerial surveying, monitoring, or inspection tasks, this pod provides reliable performance at varying altitudes.

In conclusion, the Photoelectric Pod is a versatile and reliable product that combines durability, precision, and performance. With its stainless steel construction, compact dimensions, and advanced speed capabilities, it is an ideal solution for a wide range of industrial and commercial applications.

Applications:

The FOVA Mini3 Photoelectric Pod is a versatile sensor product that can be used in a variety of application occasions and scenarios due to its advanced features and specifications.

With its compact dimensions of 30mm X 30mm X 60mm and durable stainless steel housing material, the FOVA Mini3 is suitable for a wide range of environments. It can be used in industrial settings, smart home applications, agricultural monitoring, robotics, and more. The product's digital output type makes it easy to integrate into existing systems and platforms, providing accurate and reliable data for various purposes. The sensor is designed to operate in temperatures ranging from -20°C to 60°C, ensuring consistent performance in different climates.

Whether it's for monitoring wheelbase 214 mm in robotics applications, measuring takeoff weight 245g in drones, or maximizing flight time up to 32 minutes in aerial photography, the FOVA Mini3 Photoelectric Pod offers precise and real-time data to meet diverse needs.

As a ROHS-certified product from SHENZHEN, customers can trust the quality and compliance of the FOVA Mini3. The minimum order quantity is 100 units, with negotiable pricing and a delivery time of 15 days. Payment terms are T/T, and the supply ability is 1000pcs per month.

Customization:

Product Customization Services for the Photoelectric Pod:

Brand Name: FOVA

Model Number: FOVA Mini3

Place of Origin: SHENZHEN

Certification: ROHS

Minimum Order Quantity: 100

Price: Negotiable

Delivery Time: 15

Payment Terms: T/T

Supply Ability: 1000pcs/Month

Supply Voltage: 5V DC

Connection Type: M12 Connector

Housing Material: Stainless Steel

Dimensions: 30mm X 30mm X 60mm

Weight: Less Than 100g

Max. Ascent Speed: 5 m/s

Max. Ascent Speed: 5 m/s

Max. Flight Speed: 18 m/s

Support and Services:

The Photoelectric Pod product comes with comprehensive Product Technical Support and Services to ensure optimal performance and customer satisfaction. Our technical support team is available to assist with any product-related inquiries, troubleshooting, and maintenance needs. Additionally, we offer specialized services such as installation support, product training, and software updates to enhance the functionality of the Photoelectric Pod. Our goal is to provide reliable and efficient support to help you make the most of your product.



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