FIMI MINI 3 SE

FEEL FREE TO FLY

250g-Class Ultralight Design | 4K/30fps Video
SoLink Dual-Band 9KM Video Transmission | Visual Tracking and Other Flight Modes

Hybrid Three-Axis Gimbal Stabilization

Strong Wind Resistance

USB Type C Fast-Charging Battery

250g-Class Ultralight Design

With compact and lightweight design weighing less than 250g, no require training, exams, or flight permits in most areas. It's the size of a smartphone, incredibly portable, and easily folds for storage, allowing you to enjoy flying whenever and wherever you desire.

4K/30fps Video

Experience high dynamic range video recording in 4K/30fps, every frame can be displayed delicately, even the tiniest details are vivid and lifelike in 4K ultra-high definition resolution, making every recording seem like real moment before your eyes.

9km Video Transmission System

Equipped with the new SoLink HD digital transmission technology, FIMI MINI 3 SE achieves high-definition real-time transmission up to 9 kilometers away. It supports dual-band switching between 2.4GHz and 5.8GHz, significantly reducing transmission latency to just 120 milliseconds using advanced encoding and decoding optimization techniques. This ensures stable and smooth video transmission, providing an immersive flying experience.

Image Sensor

Utilizing advanced 12MP 1/2.5-inch stacked CMOS image sensor, to provide excellent imaging performance. With its precision design and efficient photoelectric signal processing capabilities, it can easily capture rich light and shadow details within a wide dynamic range from bright highlights to deep shadows in the image, and restore true colors and layers with extremely high delicacy, ensuring the full and detailed high-quality picture quality.

12MP
1/2.5-inch

Hybrid Three-Axis Gimbal Stabilization

Utilizing the fourth-generation FIMI LOS precision stabilization algorithm, the advanced hybrid three-axis (two-axis mechanical stabilization combined with three-axis EIS) gimbal significantly enhances the stability of aerial footage. The built-in high-precision attitude sensor works in perfect harmony with the fully closed-loop servo control system, elevating control precision to new heights. Even during high-speed flights in windy conditions, it ensures that aerial images remain silky smooth and stable!

Strong Wind Resistance

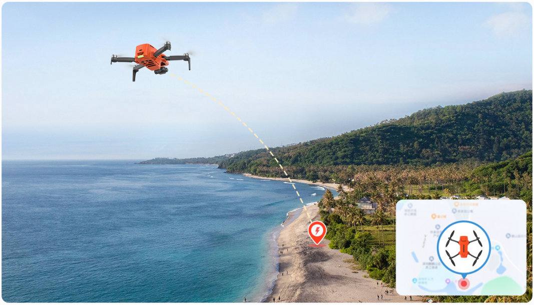
Featuring motors with minimal magnetic gap paired with efficient and silent propellers, it offers a higher thrust-to-weight ratio and faster response speed. With strong wind resistance, it ensures safe flying in most conditions, whether on mountain peaks or by the seaside. Soar with the wind and capture spectacular moments!

USB Type C Fast-Charging Battery

The USB Type C charging port on the battery allows or 9V/3A rapid charging. You can enjoy a fast and convenient charging experience anytime and anywhere and charge your back-up batteries without hassle while you’re flying your drone.

Satellite Positioning System

The positioning system can simultaneously receive signals from GPS, GLONASS, Beidou, and Galileo. Faster and more accurate positioning allows for more efficient take-off and better flight protection.



SAR Model

With 6x digital zoom, GPS positioning, a light weight, and 9km transmission, the FIMI MINI 3 SE will be a great asset for search and rescue tasks.

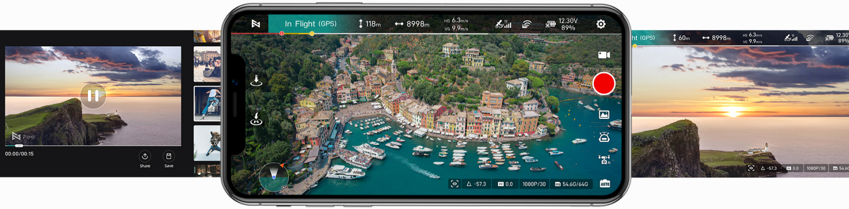
6x
6X digital zoom camera

GPS
Real-time GPS coordinates

9km
9km transmission

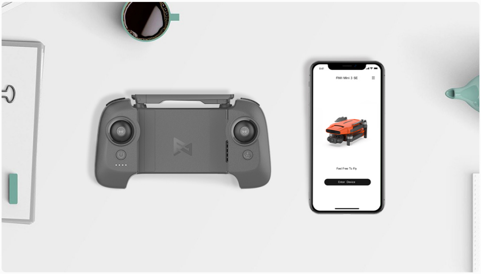
APP

With its totally redesigned UI, the app is more intuitive to use than ever before. It offers a plug-and-play feature that connects the remote to your mobile device via the OTG cable, so there are no more complicated settings.



Remote Controller

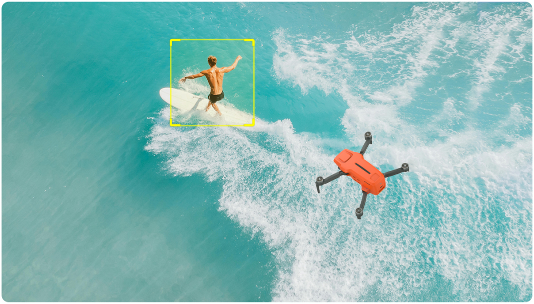
The handy remote controller is light and easy to carry. The upgraded receiver lets you enjoy stabler image transmission.



2T AI computing power

Smart Tracking Modes

Equipped with 2T AI computing power, capable of intelligent recognition of over 30 targets, including people, cars, boats, animals, and more. It can instantly lock onto and track the selected target in real-time.



Powerful Flight Plan Shooting

The powerful flight plan shooting function is not only designed for path planning, but also task planning.

Precision Landing

The MINI 3 SE utilizes its downside camera to recognize the launch pad and land directly on it.

Other Modes

Timelapse

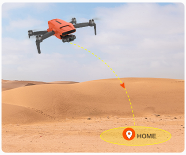
The MINI 3 SE, with its professional imaging and flight control system, allows you to create high-quality and stable time-lapse videos.

One-tap Video

With a single tap, you can take cinematic shots with the FIMI MINI 3 SE.

Panorama

One tap creates awesome panoramic pictures.

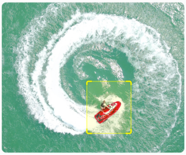


HOME Point Indication

Home point functionality provides accurate guidance for any flight beyond your visual line of sight.

Vertical Shooting Mode

This mode has been adapted to better display and share images on the digital vertical mode of your device.



Drifting Mode

New intelligent flight is the key to completing drifting camera movement. Just sit back and enjoy it!

Multiple Safety Functions For Safe Flights

A variety of intelligent safety functions ensures safe flights at all times.

Return Home Mode
GPS Real-Time Tracking
Wind Warning
Low-Battery Alarm Return

Basic Specifications

Drone

Dimensions (folded, without propellers):	Length 145mm x Width 85mm x Height 56mm
Dimensions (unfolded, without propellers):	Length 200mm x Width 145mm x Height 56mm
Takeoff Weight:	Approx. 245g
Diagonal Distance:	214mm
Max Ascent Speed:	4m/s
Max Descent Speed:	2m/s
Max Flight Speed:	16m/s *in a windless environment at sea level
Max Takeoff Altitude:	≤4000m
Max Hovering Time:	29 minutes *Measured with the aircraft hovering in windless conditions, with visual and recording modes turned off, at sea level until the remaining battery level reaches 0%. This is for reference only; please pay attention to app prompts during actual flight.
Max Tilt Angle:	35°
Max Wind Speed Resistance:	10.7m/s
Operating Temperature Range:	0~40°C
Satellite Navigation Systems:	Beidou/GPS/GLONASS/Galileo
Hovering Accuracy，Vertical:	±0.1m (when Vision Positioning is active)
	±0.5m (when GPS is active)
Horizontal:	±0.3m (when Vision Positioning is active)
	±0.5m (when GPS is active)

Remote Controller

Product Weight:	Approx. 260g
Dimensions:	165mm x 89mm x 47mm
Operating Frequency:	2.4000 GHz -2.4835 GHz
	5.725 GHz -5.850 GHz
Max Battery Life:	8 hours *Without charging the mobile device
	4 hours *Charging the mobile device *Measured with mobile device battery level above 95%; actual results may vary depending on different mobile devices and their battery levels at the time of testing. Please refer to actual usage.
Battery Type:	Li-ion
Battery Capacity:	3500mAh
Nominal Voltage:	3.7V
Input:	5V ⎓ 2A

Operating Temperature Range:	0~40°C
Charging Temperature Range:	5~40°C
Max Signal Effective Range (No interference, No obstruction) FCC:	Approximately 9km * The above data is measured in an outdoor open environment interference and is the farthest communication distance for one-way non-return flights under various standards. Please pay attention to the app's return prompts during actual flights.
Minimum Latency:	Approx. 120 milliseconds
Supported Mobile Device Interface Types:	Lightning, USB-C

Gimbal

Mechanical Gimbal Structure Design Range:	-110° ~ 40° (Pitch) -40° ~ 40° (Roll)
Controllable Rotation Range:	10° ~ -90° (Pitch)
Angular Vibration Range:	±0.01°

Camera

Image Sensor:	1/2.5-inch CMOS
Lens:	FOV 75°
Aperture:	F/2.2
Format Length:	2.35mm
Format Equivalent:	18mm
Focus:	0.8m to ∞
Effective Pixels:	12 million pixels
ISO Range:	Video 100-6000 Photo 100-6400
Shutter Speed:	1/8000s - 2s
Max Photo Size:	4000x3000
Max Video Resolution:	3840×2160@30/25/24fps
Max Bitrate:	100Mbps
Video Format:	MP4
Photo Format:	JPEG
File System:	FAT32/exFAT
Digital Zoom:	6x

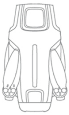
Intelligent Flight Battery

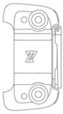
Capacity:	2200mAh
Weight:	Approx. 85g
Nominal Voltage:	7.7V
Charging Limited Voltage:	8.8V
Battery Type:	Li-ion 2S
Energy:	16.92Wh
Charging Temperature:	5 ~ 40°C

APP

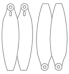
FIMI Navi Mini Mobile Device System Requirements:	iOS 12.0 or later，Android 9.0 or later

Package List

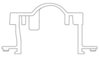

Aircraft

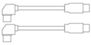

Remote Controller

Battery

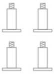

Spare Propellers

Screwdriver


Gimbal Cover


Cable

Instruction


Screws

USB-Cable