

## NEW Genuine JJRC X12 three-axi PTZ 5G HD UAV 4K aerial GPS optical flow positioning long battery life professional RC helicopter

### Main Features:

Intelligent positioning: optical flow module + GPS module positioning system that allows indoor and outdoor have good hover flight performance

Beginner mode: built-in geo-fence for the novice, limit high limit distance flight, so that novices can safely ease of use

Intelligent control: a key take-off, landing a key, a key to return other functions, so the flight is no longer difficult

Secure flight: low return, lost to return, out of control a variety of security protection mode return flight, to ensure flight safety

Various flight modes: high-fixed, fixed-point, follow around, pointing, track and other intelligent flight mode, can meet the needs of different scenarios

High-definition camera: you can shoot photos or 1080P HD video. Flight camera video at the same time, in a different perspective, composition obtained unusual works

Stabilizing platform: three-axis machines mount stabilizing platform, you can get a stable, clear video and photos during the flight

Consisting patterning: the remote control or APP, the camera always adjust the pitch angle ( 90-degree ), for better composition

Left and right switch, gravity sensing, the pairing function, and other functions sharing

Zoom lens: faster and more accurate focus, freeze frame moments

Folding body, easy to carry

### Specifications:

Camera pixels: 4K

Wheelbase (MM): 216

Image size: 1920 x 1080

PTZ controllable rotation range: pitch: -90 degree to 0 degree

Remote control batteries: 3.7V 2600mAh (including)

Body Battery: 11.4V 2400mAh (including)

Flight time: 25min

Remote control: approximately 1200m

5G WiFi: about 1000 meters

Charging time: about 5 hours body charging time

Remote control charging time: about 3 hours

Product Size (cm):

Folding: 17.7 x 9 x 5.5cm

Expand: 19.6 x 17.7 x 7cm

Brand: JJRC

Model: X12 4K

Material: ABS/PS,Electronic Components

Type: Quadcopter

Motor Type: Brushless Motor

Functions: Automatically Following,Forward/backward,GPS location tracking,Height Holding,One Key Automatic Return,One Key Landing,One Key Taking Off,Tap to Fly,Turn left/right,Up/down

Kit Types: RTF

Level: Intermediate Level

Age: Above 14 years old

Remote Control: 5.8GHz Wireless Remote Control,WiFi Remote Control

Channel: 4-Channels

Radio Mode: Mode 1 & Mode 2 (Left & Right-hand Throttle)

Compatible with Additional Gimbal: Yes

Transmitter Power: Built-in rechargeable battery

Model Power: 1 x Lithium battery(included)

Battery: Remote control batteries: 3.7V 2600mAh; Body battery: 11.4V 2400mAh

Flying Time: About 25mins

Camera Pixels: 4K

Dimensions and Weight

Product weight: 0.4370 kg

Package weight: 1.2000 kg

Package size (L x W x H): 23.00 x 35.00 x 12.00 cm / 9.06 x 13.78 x 4.72 inches

Package Contents:

1 x Drone,

1 x Remote Control,

1 x Charger,

1 x Charging Cable,

2 x Blade,

1 x Phone Holder,  
2 x Hexagon Wrench,  
1 x English Manual



JR/C

# 4K AURORA

Three-axis Anti-shake  
Auto-stabilizing Gimbal

# 5G Wi-Fi Drone With 3-Axis Stable Gimbal, Ultra-sonic Altitude Hold and Optical Flow Positioning



Optical Flow Positioning



Ultra-sonic Positioning



GPS Positioning



Gravity-Sensor Control



One Key Return



Waypoint Flight



Point of Interest



Auto Follow



Control Loss RTH



Low Battery RTH



5G WI-FI



3-Axis Brushless Gimbal



4K Camera



90°Adjustable Camera



Real-time Transmission



Foldable and Portable



Modular Battery



Brushless Motor



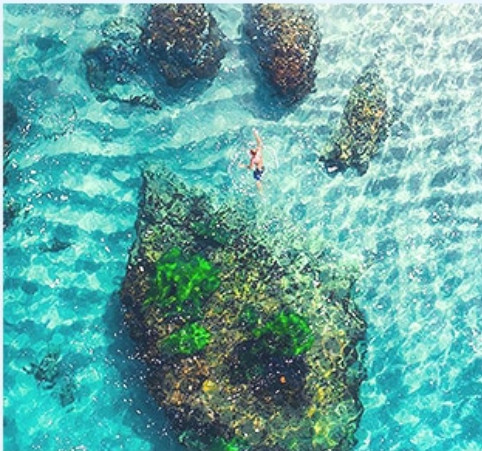
Electronic Fence



Up-to-1200-meter Range

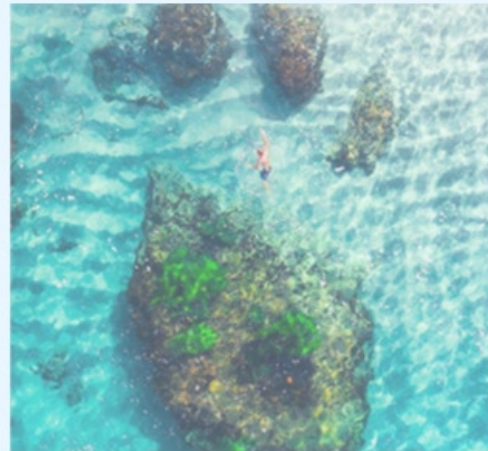
# Anti-shake Three-axis Gimbal

The drone features a three-axis auto-stabilizing gimbal to minimize vibration and remain parallel to the horizon for sharper images.



Drone with Three-axis Auto-stabilizing  
Gimbal Camera

**Sharp and Clear Images**



Drone with Regular Camera

**Blurred and Shaky Images**

# 4K HD

The 4K anti-shake HD camera features a resolution that compares favorably with the film quality with distortion-free camera. The great optical performance can capture every wonderful moment in your life with premium images.



4K HD



Zoom Lens



90° Adjustment

# Zoom Lens

Focus and more precise focusing, capturing wonderful moments  
Slide to zoom for more fantastic videost



Normal Photographing



Zoom Photographing



# 5G Image Transmission

The 5G frequency allows for real-time transmission without interference, making the transmission smoother and the images clearer to help you seize the wonderful moments.



# Up to 1,200 Meters of Range

The transmission images remain clear and sharp with a long transmission range of up 1200 to meters.



# Four-fold Positioning Systems to Perfect the Performance



Optical Flow  
Positioning



Ultra-sonic  
Positioning



GPS  
Positioning



Barometer  
Positioning

# Barometer Positioning

Stable hovering without GPS signal



The optical flow positioning system utilizes the visual computing module on the drone's bottom to help the drone hover in the air. So the drone can still hover in the precise location at a stable condition if there is no GPS signal around, like the indoor environment.

# Ultra-sonic Positioning

The ultrasonic can calculate the current altitude and assists the barometer to keep stabilization of the drone when it hovers.



# GPS RTH

With the GPS return to home function, the drone can fly freely regardless of the strength of the GPS signal. It can also automatically return to home when out of the effective range. The electronic fencing technology allows the drone to return to home point at low voltage condition and fly within a 20-meter radius.

- ✓ Low Battery RTH
- ✓ Control Loss RTH
- ✓ One Key Return



# Smart Auto Follow

The visual tracking is supported by AI technology to precisely target and follow the objects



Follow from a fixed angle



Follow from a parallel angle



Follow from various perspectives



# Point of Interest

Set a point and let the drone circle around the point with this smart mode on





# Waypoint Flight

Tap the waypoints on the map for the drone to follow and fly along automatically



# Brushless Motor

Brushless Motor、 Low Interference、 Less Noise、  
Smooth Running、 Energy Saving 、 Long Lifespan



More Powerful



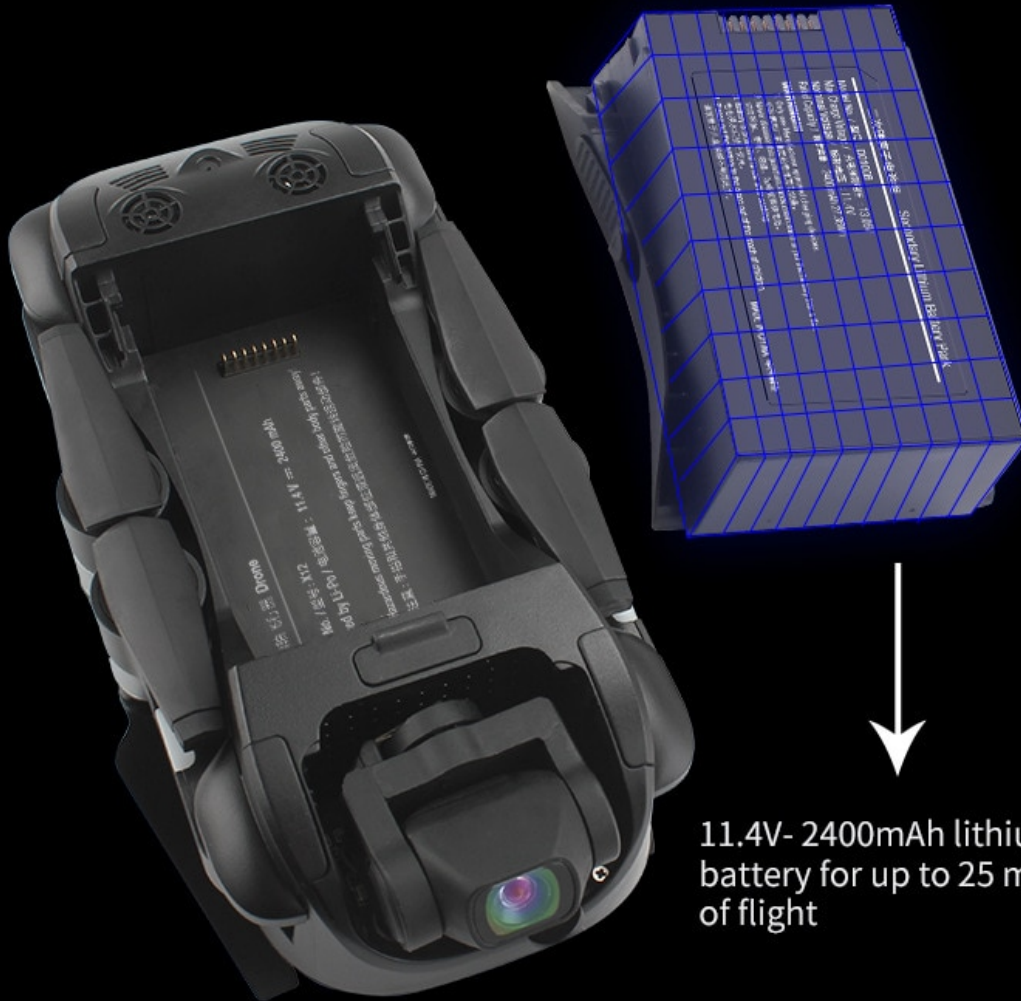
Quicker Cooling



Durable and Solid

# Modular Battery

High-capacity modular battery for long usage time and  
endurable flights



11.4V- 2400mAh lithium  
battery for up to 25 minutes  
of flight

# Portable to Fit in the Bag

The bag provides a secure storage for your drone and all other parts so you can carry it on the go



# Foldable and Portable

Fold up the propellers and the four crankshafts for easy storage and transport



## Folding Points

Fold up the propellers to a compact form  
(Unfolding) – (Folding)



## Product Details

X12

# Cool Lights

Front Light

Switch Light

Brushless Motor

Undercarriage



## About Remote Controller





- ① Antenna                      ② Flight Modes shift    ③ One Key Return    ④ Mode Indicator Light
- ⑤ Power Indicator Light   ⑥ Left Joystick        ⑦ Right Joystick    ⑧ Power
- ⑨ One Key Takeoff/ Landing   ⑩ Photo/ Video    ⑪ Phone Holder
- ⑫ USB Charging Interface    ⑬ Camera Adjustment

## Technical Details



**Flashy Black**



**Minimalistic White**

Product name: AURORA	Product No.: X12
Product Colors: Black/ White	Product Brand: JJRC
Product Weight: 0.437kg	Product Package: Backpack
Product Size: (Folding) 17.7*9*5.5cm (Unfolding) 17.7*19.6*7cm	
Drone Battery: 11.4V 2400mAh	Package Size: 35*23cm
Remote Control Frequency: 5Gwifi	Remote Control Range: 1200m
Charging Time: About 5 Hours	Flight Time: Up to 25 Minutes

**Functions:** Foldable, Smart Positioning (Optical Flow Positioning and GPS), Hovering, Newbie Mode, Smart Operations (One Key Takeoff/ Landing/ RTH), Photo/ Video, Stabilizer Gimbal, Safety Flight Modes (Low Battery RTH、 Control Loss RTH), Altitude Hold/ Position Hold/ Auto Follow/ Point of Interest/ Flight Planning, Camera Adjustment, Left/ Right Hand Mode Switch, Gravity Sensor Control, Pair, Share, etc.)



# Package Listing



Aircraft\*1



Remote Controller\*1



Phone Holder\*1



Propeller A\*2 Propeller B\*2



Hex Wrench\*2



USB Charging Cable\*1



Protective Backpack\*1



Charger\*1



Battery \*1



User Manual\*1

# Specification

Unfolding size



Folding size



Backpack size

