Hiturbo JY013

Hiturbo Drone with 1080P Camera User Manual

Model: JY013
Brand: Hiturbo

INTRODUCTION

This manual provides essential information for the safe and effective operation of your Hiturbo Drone with 1080P Camera. Please read it thoroughly before first use and retain it for future reference. This quadcopter is designed for beginners and hobbyists, offering stable flight and high-quality aerial photography capabilities.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x RC Drone
- 1 x Instruction Manual
- 1 x Transmitter (Remote Control)
- 1 x USB Charging Cable
- 2 x Batteries
- 4 x Extra Propellers
- 4 x Propeller Guards
- 4 x Spare Screws
- 1 x Portable Case
- 2 x Tripod (likely for phone mount on controller)

Multiple Functions with APP Control

1 x RC Drone	1 x Instruction Manual	4 x Extra Propellers
1 x Transmitter	1 x USB Charging Cable	4 x Propeller Guards
1 x Screwdriver	2 x Batteries	4 x Spare Screws
1 x Portable Case	2 x Tripod	

Figure 1: All components included in the Hiturbo Drone package.

The package includes the drone, remote control, two flight batteries, a USB charging cable, spare propellers, propeller guards, spare screws, a portable carrying case, and two tripod pieces (likely for the controller's phone mount).

SETUP

1. Battery Installation and Charging

The drone comes with two batteries for extended flight time. Ensure batteries are fully charged before first use.

1. Insert one battery into the drone's battery compartment.
2. Use the provided USB charging cable to charge the spare battery. Connect the cable to a USB power source (e.g., computer, USB wall adapter).
3. The charging indicator will show charging status (refer to specific LED behavior in the full manual).
4. For the remote control, install 3 AAA batteries (not included).

2. Propeller and Guard Installation

Attach the propeller guards to protect the propellers during flight, especially for beginners.

1. Carefully attach each propeller guard to the corresponding arm of the drone using the provided screws.
2. Ensure propellers are securely fastened and free from obstruction.

3. App Installation and Connection

For advanced control and real-time transmission, download and install the official drone application on your smartphone.

1. Scan the QR code in the full instruction manual or search for the app name (usually provided in the manual) in your device's app store.
2. Install the app and enable necessary permissions (e.g., Wi-Fi, location).
3. Power on the drone.
4. On your smartphone, connect to the drone's Wi-Fi network (SSID usually starts with "WIFI_UFO" or similar, found in your phone's Wi-Fi settings).
5. Open the app. The app should automatically connect to the drone, displaying the camera's live feed.
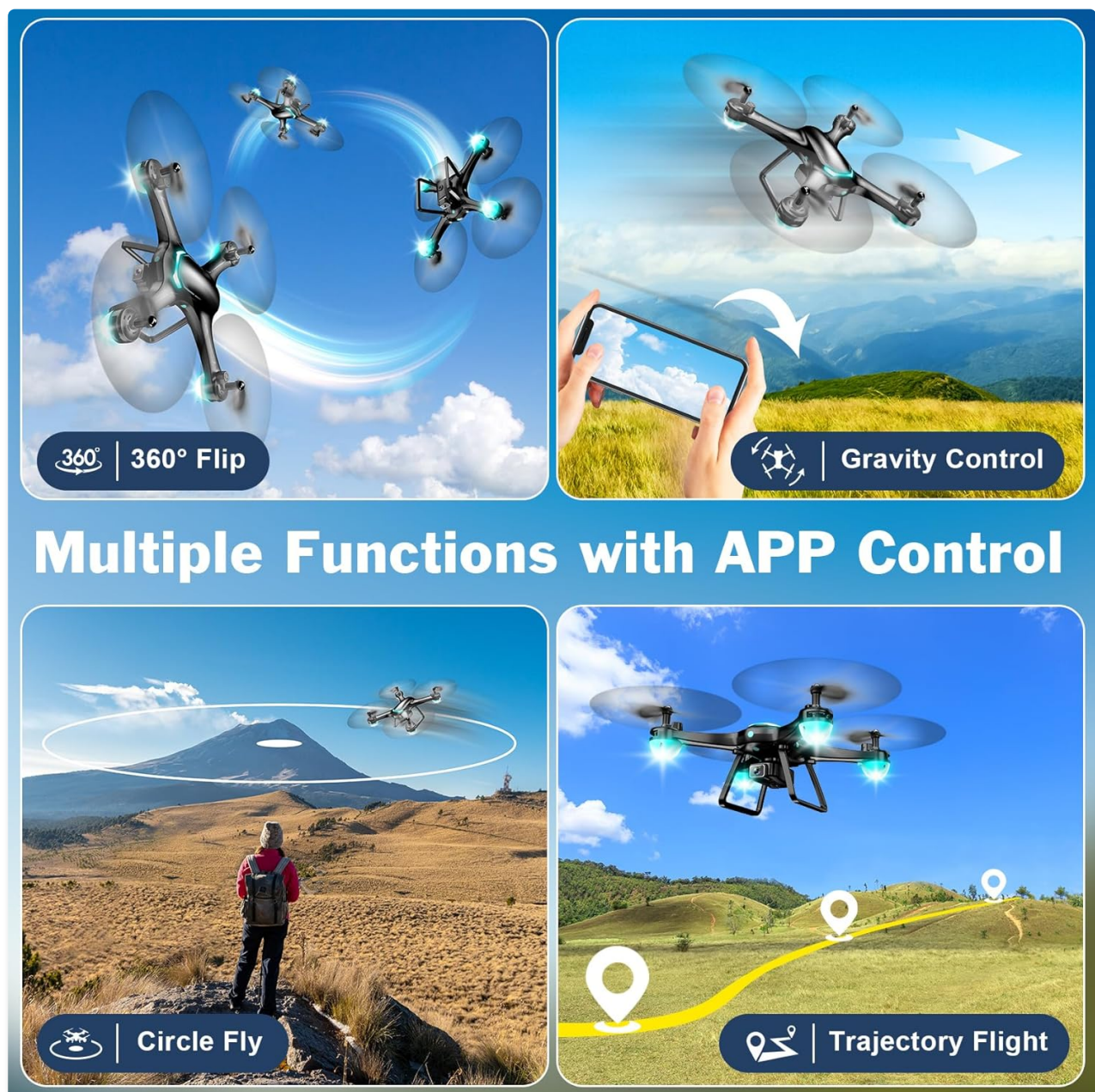

Figure 2: The drone controller with a smartphone displaying the app interface, which allows for various flight functions and real-time video transmission.

The drone can be controlled via the included remote or through a smartphone app. The app provides access to multiple functions and real-time video streaming from the drone's camera.

OPERATING INSTRUCTIONS

1. Basic Flight Controls

Familiarize yourself with the remote control or app interface for basic maneuvers.

- **One Key Start/Land:** Press the dedicated button for automatic takeoff and landing.
- **Throttle (Left Stick):** Push up to ascend, pull down to descend.
- **Direction (Right Stick):** Push forward/backward for forward/backward flight, push left/right for left/right sideward flight.
- **Rotation (Left Stick Left/Right):** Push left/right to rotate the drone counter-clockwise/clockwise.
- **Speed Modes:** Switch between 3 speeds (low, medium, high) to match your skill level.

Figure 3: Key beginner-friendly features including One-Tap Takeoff/Landing, Emergency Stop, and Headless Mode for simplified control.

The drone is designed to be beginner-friendly with features like one-key takeoff/landing, altitude hold for stable hovering, and headless mode which simplifies orientation by eliminating the need to know the drone's front direction.

2. Special Flight Features

- **Altitude Hold:** Maintains a stable hovering height, making it easier to control and capture steady footage.
- **Headless Mode:** Simplifies flight by allowing the drone to move relative to the pilot's orientation, regardless of the drone's actual front.
- **3D Flips:** Perform impressive aerial acrobatics with a single button press (refer to manual for specific button combination).
- **Gestures Selfie:** Use hand gestures to trigger photo or video recording (refer to manual for specific gestures).
- **Circle Fly:** The drone will fly in a circular path around a central point.
- **Trajectory Fly:** Draw a flight path on your smartphone screen, and the drone will follow it automatically.
- **Gravity Control:** Control the drone's movement by tilting your smartphone.
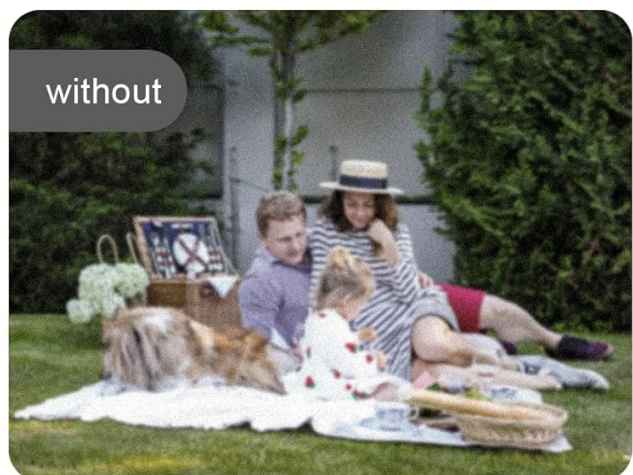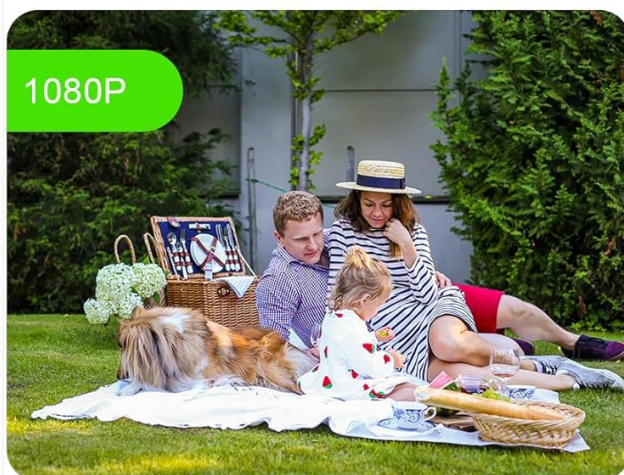

Figure 4: Details of the 1080P HD camera, including its 112-degree field of view and 90-degree adjustable angle for versatile shooting. A comparison shows the clarity of 1080P footage.

The drone is equipped with a 1080P HD camera that offers a 112-degree field of view and a 90-degree adjustable angle, allowing for flexible aerial photography and videography. The image quality is significantly improved with 1080P resolution.

3. Camera Operation

The integrated 1080P HD camera allows for capturing aerial photos and videos.

- **Photo Recording:** Short press the photo button on the remote or in the app to take a picture.
- **Video Recording:** Long press the video button on the remote or in the app to start/stop video recording.
- **Real-time Transmission:** View the live camera feed on your connected smartphone via the app.
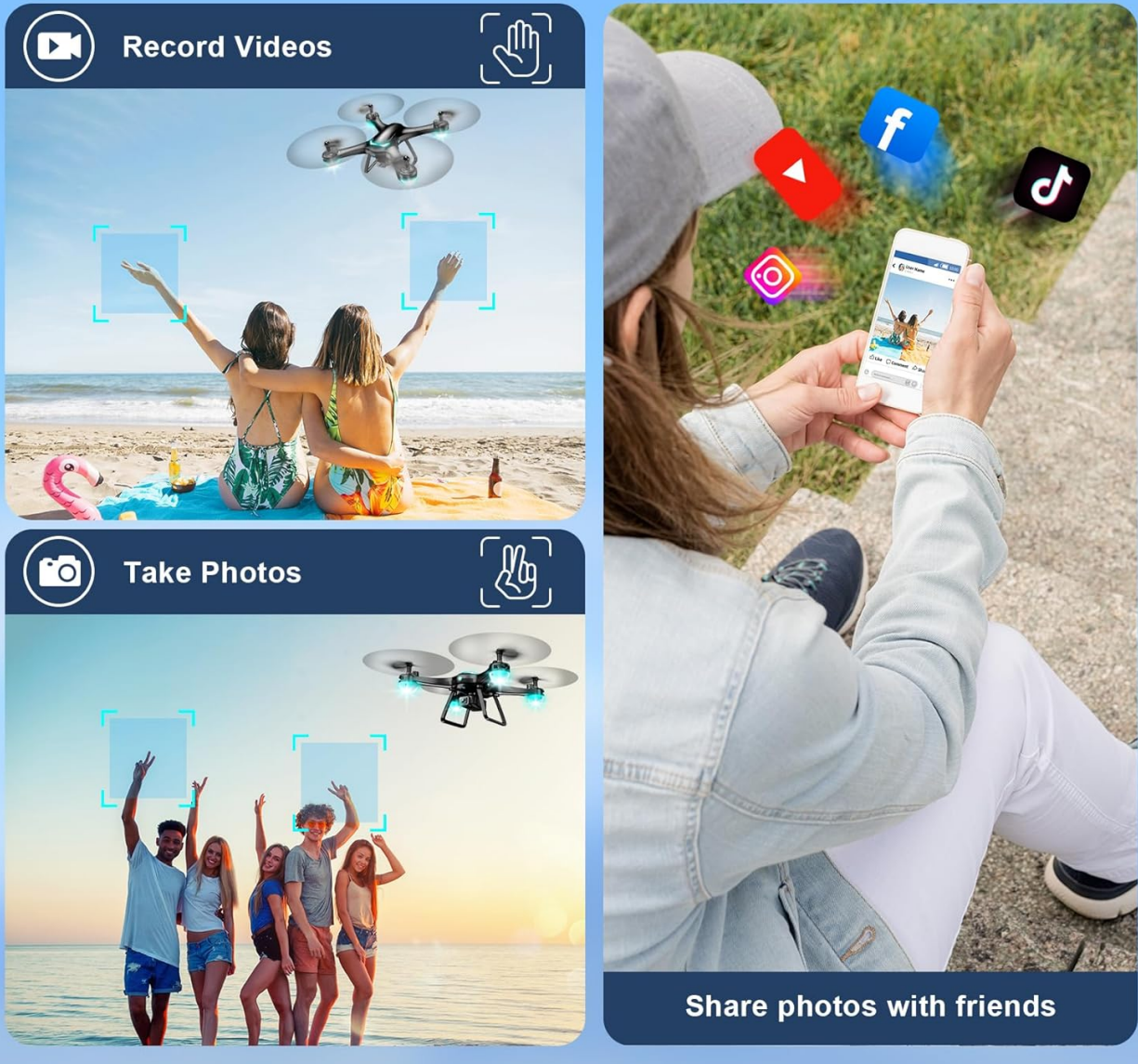

Figure 5: The drone supports gesture control for initiating video recording and taking photos, making it convenient for hands-free operation. Captured media can be easily shared.

Utilize gesture control to effortlessly record videos or capture photos. This feature enhances the user experience by allowing for remote media capture without direct controller interaction. Photos and videos can then be shared directly from the app.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your drone.

- **Propeller Care:** Regularly inspect propellers for any damage (cracks, bends). Replace damaged propellers immediately using the provided spare parts. Ensure propeller guards are securely attached.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge batteries. If not used for an extended period, charge batteries to about 50% capacity.

- **Cleaning:** Use a soft, dry cloth to clean the drone body and camera lens. Avoid using harsh chemicals or solvents.
- **Storage:** When not in use, store the drone and all accessories in the portable carrying case to protect them from dust and damage.

TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Drone does not respond to controls.	Low battery on drone or remote; not paired correctly.	Charge batteries; re-pair drone and remote (refer to manual for pairing steps).
Unstable flight/drifting.	Uncalibrated gyroscope; strong wind; damaged propellers.	Perform gyroscope calibration; fly in calm conditions; replace damaged propellers.
No live video feed in app.	Not connected to drone's Wi-Fi; app permissions.	Ensure phone is connected to drone's Wi-Fi; check app permissions; restart app/drone.
Short flight time.	Battery not fully charged; old battery.	Fully charge battery; consider replacing old batteries.

SPECIFICATIONS

Feature	Detail
Brand	Hiturbo
Model Name	JY013
Color	Black
Video Capture Resolution	1080p
Connectivity Technology	Wi-Fi
Item Weight	95 Grams (3.35 ounces)
Video Capture Format	RM
Battery Cell Composition	Lithium Polymer
Batteries Included	Yes (2 for drone, 1 AA for remote - remote batteries not included in product data, but mentioned in video)

Feature	Detail
Product Dimensions	12.6"L x 12.6"W x 3.15"H
Manufacturer	Hiturbo
First Available	March 12, 2025

WARRANTY AND SUPPORT

Specific warranty details are not provided in the product information. For warranty claims, technical support, or further assistance, please contact Hiturbo customer service directly through their official channels or the retailer where the product was purchased.