TizzyToy MT002

TizzyToy MT002 Brushless Motor Drone User Manual

Your comprehensive guide to operating and maintaining your MT002 drone.

1. INTRODUCTION

The TizzyToy MT002 is a versatile brushless motor drone designed for an engaging flight experience. It features a 90-degree adjustable 4K FPV camera, indoor obstacle avoidance, optical flow positioning, and various intelligent flight modes. This manual provides essential information for safe operation, setup, and maintenance of your drone.

2. PACKAGE CONTENTS

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

- TizzyToy MT002 Drone
- Remote Control
- 2 x Flight Batteries
- Spare Blades (Propellers)
- USB Charging Cable
- Screwdriver
- User Manual

Figure 2.1: The TizzyToy MT002 drone, remote control, batteries, and included accessories.

3. PRODUCT FEATURES

- **4K Ultra HD Camera:** Capture high-resolution photos and videos with a 90-degree adjustable, shock-absorbing camera. Features 50x software amplification via the app.
- **Extended Flight Time:** Equipped with two batteries for a combined flight duration of up to 40 minutes.
- **Brushless Motor:** Ensures commendable wind resistance and flight stability, contributing to longer product life and lower energy consumption.
- **Precise Optical Flow Positioning:** Maintains steady flight, even at heights of 15 meters, enhancing control and stability.
- **Dependable Air Pressure Altitude Hold:** Automatically maintains altitude for stable hovering.
- **Intelligent Flight Modes:** Includes Headless Mode, Gesture Photography, 360-degree Roll, Three-speed Adjustment, and Indoor Obstacle Avoidance.
- **Extended Control Distance:** Control range up to 4000 feet.

4. SETUP GUIDE

4.1 Unfolding the Drone

Carefully unfold the drone arms until they lock into position. Ensure all propellers are free from obstruction.

4.2 Battery Installation & Charging

Insert a charged flight battery into the drone's battery compartment until it clicks securely. To charge the batteries, connect them to the provided USB charging cable. The batteries charge via USB-C. An indicator light will show charging status.

Figure 4.1: Inserting the flight battery into the TizzyToy MT002 drone.

4.3 Remote Control Setup

The remote control features foldable grips and an extendable phone holder. Pull out the grips and extend the phone holder to secure your smartphone. The remote control also charges via USB-C.

4.4 App Connection

Download the dedicated drone control app to your smartphone. Power on the drone and the remote control. Connect your smartphone to the drone's Wi-Fi network. Open the app to establish a connection and view the live FPV feed.

Video 4.1: Demonstration of connecting the drone to the app and controlling it via smartphone.

5. OPERATING INSTRUCTIONS

5.1 Basic Flight

After connecting the drone and app, perform a one-key takeoff. The drone will ascend and hover stably. Use the joysticks on the remote control or the app interface to control direction, altitude, and movement.

Video 5.1: Demonstration of drone takeoff, hovering, and basic flight maneuvers, highlighting indoor obstacle avoidance.

5.2 Intelligent Flight Modes

- **Headless Mode:** Eliminates the need to identify the drone's head position, making it easier to control, especially for beginners.
- **Gesture Photography:** Use specific hand gestures to trigger photo or video recording.
- **360-degree Roll:** Execute impressive aerial flips with a single button press.
- **Three-speed Adjustment:** Adjust flight speed to suit different environments and skill levels.
- **Indoor Obstacle Avoidance:** Utilizes sensors to detect and avoid obstacles in indoor environments.
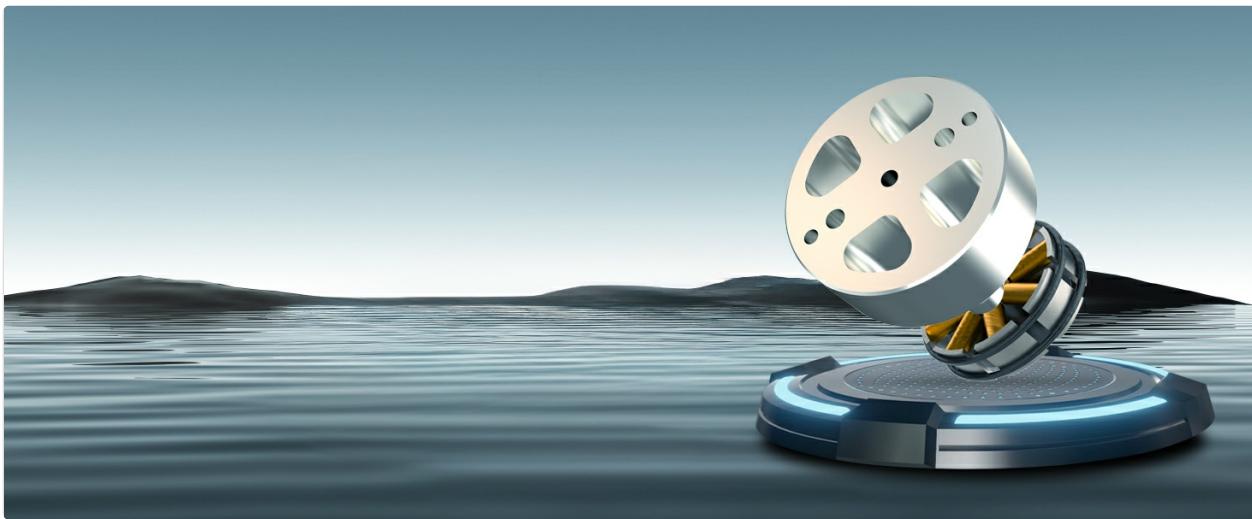
Figure 5.1: Visual representation of the drone's intelligent flight features.

6. CAMERA OPERATION

The TizzyToy MT002 is equipped with a 4K Ultra HD camera for high-quality aerial photography and videography. The camera angle can be adjusted 90 degrees via the remote control or app.

- **Real-time Transmission:** View live footage directly on your smartphone via the app.
- **Gesture Photography:** Use predefined hand gestures to initiate photo or video capture.
- **App Features:** The app includes MV production tools, various filters, and music options to enhance your captured content. Easily share your creations on social media.

4K HD WIFI camera

The ability to connect to other devices for easy sharing and editing. the 4K HD camera is a great choice for anyone looking to capture high-quality images and videos without breaking the bank.

4K HD

take photos

take photos
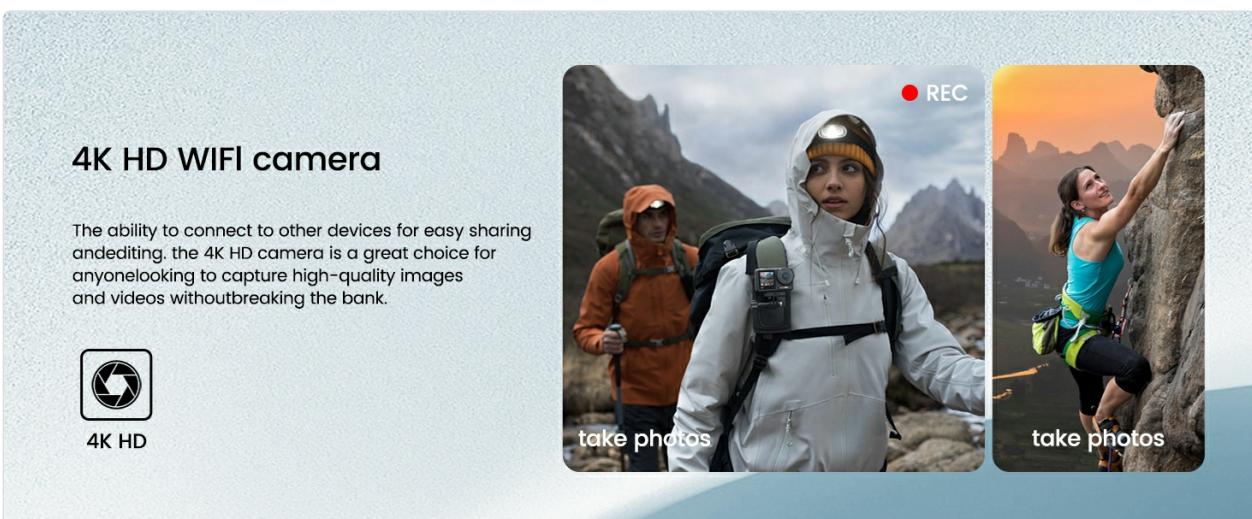
Figure 6.1: Close-up of the drone's 4K UHD FPV camera with 90-degree adjustable functionality.

Video 6.1: Demonstration of the drone's 4K FPV camera in action, showing app control and adjustable lens.

7. SAFETY FEATURES

- **Optical Flow Positioning:** Provides precise positioning for stable flight, especially useful in environments without GPS signals.
- **Altitude Hold:** Maintains a consistent altitude, allowing for easier control and stable footage.
- **Headless Mode:** Simplifies flight control by eliminating the need to orient the drone relative to the pilot.
- **Indoor Obstacle Avoidance:** Sensors help the drone detect and avoid collisions with objects indoors.

- **Beyond-Range Loss Alert:** Notifies the user if the drone is about to fly out of control range.

Package

Flight Time: 36 Mins/2 Batteries

Charging Time: 120 Mins

Control Range: 350 FT

Transmission Range: 200 FT

Photo/Video Resolution: 4K High Definition

Extra Parts: Please kindly contact support if you need extra replacement parts, we will respond within 24 hours
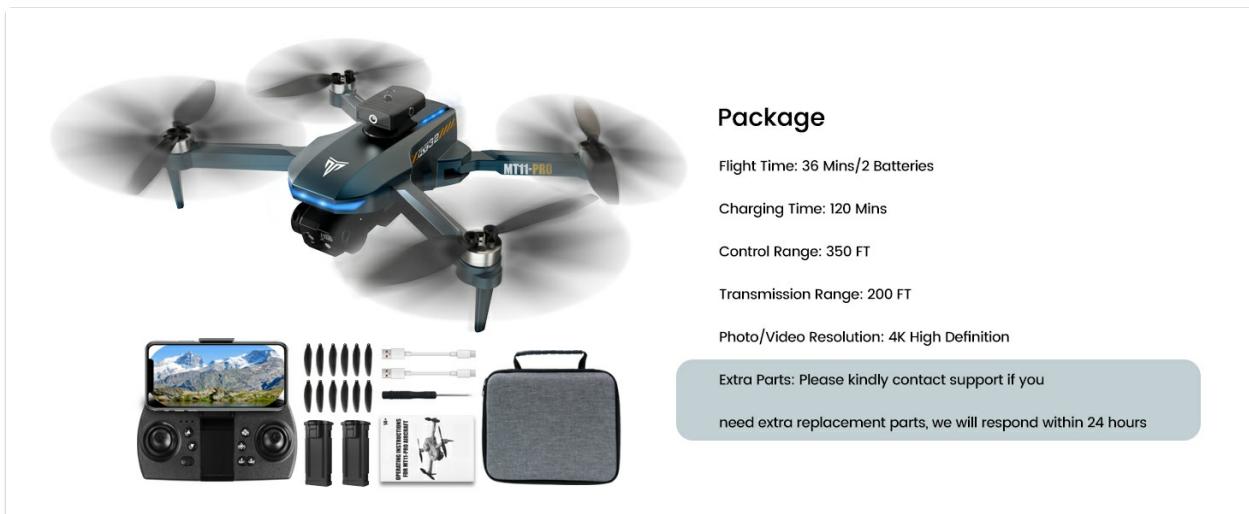
Figure 7.1: Optical Flow Positioning ensures stable flight by using ground patterns for precise hovering.

8. MAINTENANCE

- **Propeller Replacement:** The package includes spare blades. Use the provided screwdriver to replace damaged propellers.
- **Battery Care:** Always use the provided USB charging cable for batteries. Store batteries in a cool, dry place.
- **Cleaning:** Keep the drone and camera lenses clean from dust and debris.
- **Accessory Acquisition:** Should you require more batteries or drone blades, they can be acquired by contacting customer service or via Amazon.

9. SPECIFICATIONS

Specification	Detail
Brand	TizzyToy
Model Name	MT002
Video Capture Resolution	4K
Effective Still Resolution	8 MP
Connectivity Technology	Wi-Fi
Control Type	App Control
Maximum Range	4000 Feet
Flight Time	Up to 40 minutes (with 2 batteries)
Battery Cell Composition	Lithium Ion
Item Weight	1.17 pounds
Product Dimensions	1"L x 1"W x 1"H

10. WARRANTY AND SUPPORT

If the TizzyToy drone you purchased fails within 30 days from the date of drone arrival during normal usage, we are responsible for replacing it at no cost to you. The main components of a TizzyToy drone are also guaranteed for 6 months.

Our customer service team is available round the clock to assist with your inquiries. We offer a variety of in-depth video tutorials that guide you through different drone operation techniques.

Related Documents - MT002

	Moultrie ALL IN ONE II FEEDER KIT MFP-80204 - Installation and Operation Manual Comprehensive guide for the Moultrie ALL IN ONE II FEEDER KIT (MFP-80204), covering parts, safety, installation, programming, testing, and FCC compliance.
	Harmsen Reinigungstextilien Preisliste & Produktübersicht Entdecken Sie die umfassende Preisliste und das Produktportfolio von Harmsen Trading GmbH für hochwertige Reinigungstextilien, Mops, Tücher und Zubehör. Effiziente und nachhaltige Lösungen für professionelle Reinigung.
	Harmsen Reinigungstextilien Preisliste Q4 2025 Umfassende Preisliste für professionelle Reinigungstextilien von Harmsen Trading GmbH, gültig bis 31.12.2025. Entdecken Sie hochwertige Mops, Tücher, Abfallsäcke und mehr, mit Fokus auf Nachhaltigkeit und Qualität. Enthält Produkte wie den Abrasiv Mikrofasermopp PT 015.