FPVDrone B06XPX18VY

FPVDrone Mini 1200TVL FPV Camera User Manual

MODEL: B06XPX18VY

Brand: FPVDrone

Introduction

This manual provides essential information for the proper setup, operation, and maintenance of your FPVDrone Mini 1200TVL FPV Camera. Please read thoroughly before use to ensure optimal performance and longevity of your product.

Product Overview

The FPVDrone Mini 1200TVL FPV Camera is a high-definition CMOS camera designed for FPV racing drones and quadcopters. It features a compact size and a 2.1mm lens, providing vivid color and high picture quality suitable for various FPV applications.

Key Features

- 1200TVL high definition for clear FPV flying.
- Excellent performance for racing applications.
- Super small size: 25mm x 25mm.
- Lightweight design: Net Weight 12g.
- 2.1mm lens for vivid color and high picture quality.
- Ultra-small size and low power consumption.
- Good concealment and excellent stability.



Image: FPVDrone Mini 1200TVL FPV Camera highlighting its key features.

Package Contents

Verify that all items are present in your package:

- 1x FPVDrone Mini 1200TVL FPV Camera
- 1x Connection Cable (3-wire servo/receiver style connector)
- 1x Lens Cap
- Mounting hardware (screws, bracket)

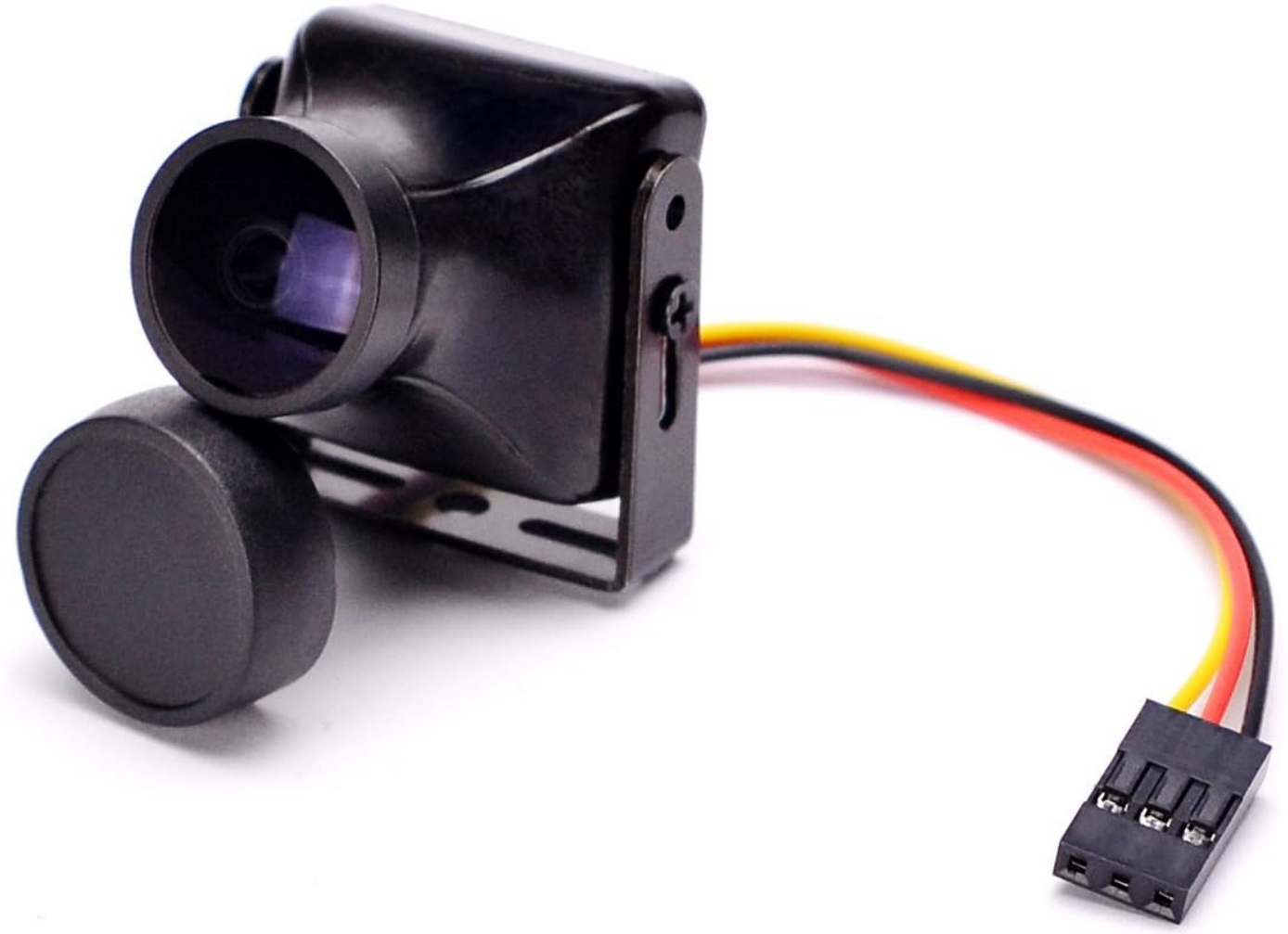


Image: The FPVDrone Mini 1200TVL FPV Camera shown with its included connection cable.

Setup Instructions

1. Mounting the Camera

Securely mount the camera to your FPV drone or quadcopter using the provided mounting bracket and screws. Ensure the camera has a clear field of view and is positioned to capture your desired perspective.



Image: Side view of the FPVDrone Mini 1200TVL FPV Camera, illustrating its compact design and mounting bracket.

2. Connecting the Camera

1. Connect the 3-wire cable to the camera's port.
2. Connect the other end of the cable to your video transmitter (VTx) or flight controller, ensuring correct polarity for power (typically red for positive, black for ground) and video signal (typically yellow or white). Refer to your VTx/flight controller manual for specific wiring diagrams.
3. The camera operates on 12 Volts. Ensure your power source provides the correct voltage to avoid damage.

3. Lens Adjustment

The camera's 2.1mm lens focus is adjustable. Gently loosen the lock ring around the lens, rotate the lens clockwise or counter-clockwise to achieve desired focus, then tighten the lock ring to secure it.



Image: Front view of the FPVDrone Mini 1200TVL FPV Camera, highlighting the adjustable lens.

Operating Instructions

1. Powering On

Once all connections are secure and verified, power on your FPV system. The camera will automatically begin transmitting video.

2. Video Reception

Ensure your FPV goggles or monitor are tuned to the correct frequency and channel of your video transmitter to receive the camera's feed.

3. Optimal Performance

For optimal video quality, ensure the camera lens is clean and free from obstructions. Avoid direct exposure to extreme temperatures or moisture.

Technical Specifications

Feature	Specification
Brand	FPVDrone
Video Resolution	1200TVL
Optical Sensor Technology	CMOS
Optical Sensor Size	1/4 inch
Lens	2.1mm
Video System	NTSC
Voltage	12 Volts
Lux Rating	0.01
Item Weight	12 Grams
Dimensions	25mm x 25mm (Super Small Size)
Connector Type	RCA (for compatible devices)
Video Capture Resolution	1080p
Effective Still Resolution	1920 Pixels
Video Capture Format	MPEG 4

Maintenance

- Keep the lens clean using a soft, lint-free cloth.
- Regularly inspect cables for wear or damage.
- Store the camera in a dry, cool environment when not in use.

Troubleshooting

No Video Signal

- Check all cable connections for proper seating and polarity.
- Verify the camera is receiving adequate power (12V).
- Ensure your FPV receiver/goggles are on the correct frequency/channel.
- Inspect the lens for any obstructions or damage.

Poor Video Quality

- Clean the camera lens.
- Adjust the lens focus.
- Check for interference from other electronic devices.
- Ensure adequate lighting conditions for optimal performance.

Warranty and Support

For warranty information or technical support, please contact FPVDrone customer service through the retailer where the product was purchased. Keep your proof of purchase for warranty claims.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question