Insta360 CINSAAHA

Insta360 X5 User Manual

Model: CINSAAHA

1. Product Overview

The Insta360 X5 is a high-performance 360° action camera designed to capture immersive 8K video and stunning photos. It features advanced stabilization, enhanced low-light capabilities, and a durable, waterproof design, making it suitable for a wide range of activities.



Figure 1.1: Front and back view of the Insta360 X5 camera, highlighting its compact design and display screen.

Key Features:

- **8K30fps 360° Video:** Dual 1/1.28" sensors capture high-detail, immersive 360° footage.
- **Triple AI Chip Design:** Advanced noise reduction for superior low-light performance.
- **Invisible Selfie Stick Effect:** Enables third-person views with the selfie stick automatically removed from footage.
- **FlowState Stabilization + 360° Horizon Lock:** Ensures smooth, level video in dynamic environments.
- **Tougher, Replaceable Lenses:** Durable and easily swappable lenses for extended camera life.
- **New Wind Guard:** Improves audio clarity by reducing wind interference.

- **Waterproof to 49ft (15m):** Designed for underwater use without an additional case.
- **Extended Battery Life:** Up to 185 minutes of runtime with fast charging capability.

2. Setup

2.1 Unboxing and Initial Inspection

Upon opening the package, verify that all components are present and undamaged. The standard bundle includes:

- 1x Insta360 X5 Camera
- 1x USB-C Cable
- 1x Lens Cloth
- 1x Protective Pouch
- 1x User Guide

Note: The Invisible Selfie Stick and MicroSD Card are sold separately and are required for full functionality.

2.2 Charging the Battery

The Insta360 X5 comes with a 2400mAh battery. Before first use, fully charge the camera using the provided USB-C cable and a compatible power adapter (not included). The camera supports fast charging, reaching 80% in approximately 20 minutes.



Figure 2.1: The Insta360 X5 demonstrating its fast charging capability and waterproof design.

2.3 Inserting a MicroSD Card

A MicroSD card is essential for storing footage. The Insta360 X5 supports Micro SD cards up to 1TB in size, with UHS-I interface and V30 or higher speed class. Locate the MicroSD card slot on the side of the camera and insert the card until it clicks into place.

2.4 Powering On/Off and Initial Setup

To power on the camera, press and hold the power button until the screen illuminates. Follow the on-screen prompts for initial language selection and date/time settings. To power off, press and hold the power button again until the shutdown prompt appears.

3. Operating the Camera

3.1 Basic Controls and Modes

The Insta360 X5 features a touchscreen for navigation and dedicated buttons for power, shutter, and mode switching. Familiarize yourself with these controls for seamless operation.

3.2 Capturing 8K 360° Video

The camera's dual lenses capture a full 360° field of view in stunning 8K resolution at 30 frames per second. This allows for reframing your shots in post-production, giving you ultimate creative control.



Figure 3.1: An example of 8K 360° video capture, showcasing the immersive perspective.

3.3 Enhanced Low Light Performance

The X5's triple AI chip design significantly improves low-light video quality through advanced noise reduction and image processing. This enables clear and vibrant footage even in challenging lighting conditions.

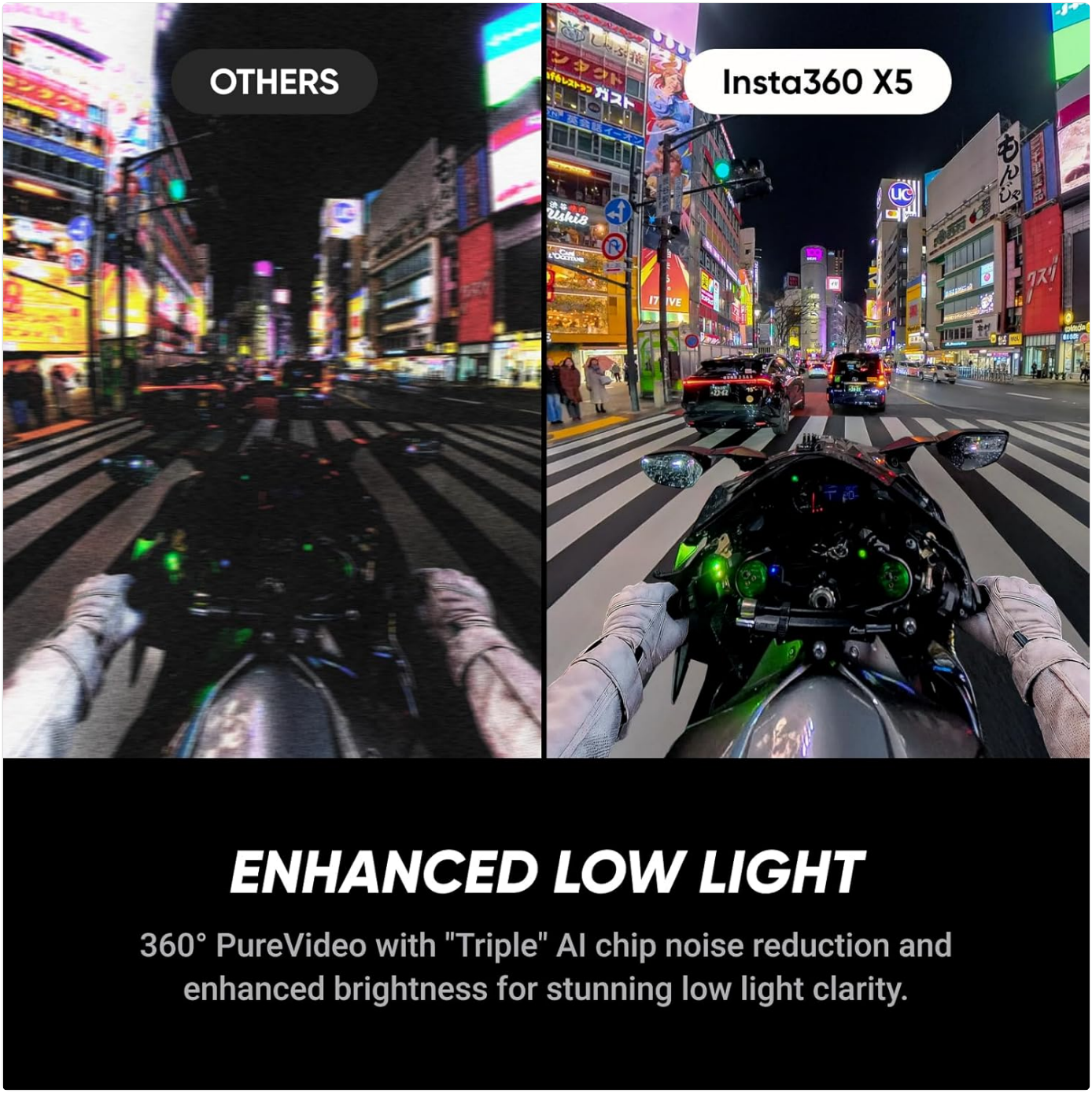


Figure 3.2: Visual comparison demonstrating the Insta360 X5's superior low-light performance.

3.4 Invisible Selfie Stick Effect

When using an Invisible Selfie Stick (sold separately), the camera's software automatically removes the stick from your 360° footage, creating a seamless third-person perspective. This allows for dynamic and unique shots that appear as if filmed by a drone or another person.



Figure 3.3: The Invisible Selfie Stick effect in action, showing a clean third-person view.

3.5 InstaFrame Mode

InstaFrame Mode allows you to instantly get a ready-to-share flat video from your 360° footage. You can choose auto-framing for subject tracking or lock in a fixed angle. The full 360° video is still recorded, allowing for later adjustments and unexpected moment captures.

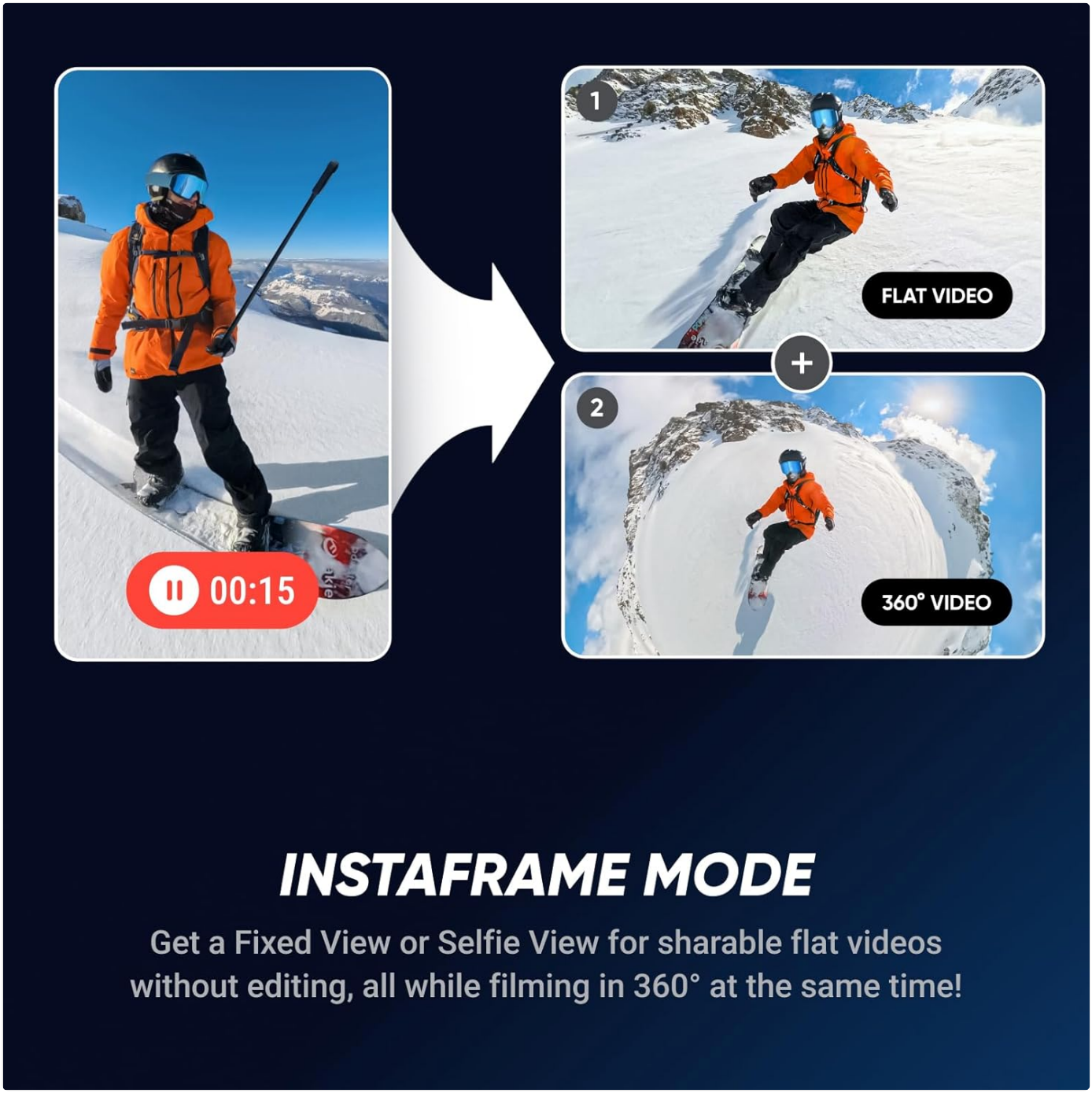


Figure 3.4: Illustration of InstaFrame Mode, converting 360° footage into a traditional flat video.

3.6 FlowState Stabilization and 360° Horizon Lock

The X5 incorporates FlowState Stabilization and 360° Horizon Lock technology to deliver exceptionally smooth and level footage, even during intense action or significant camera movement. This eliminates the need for a separate gimbal.

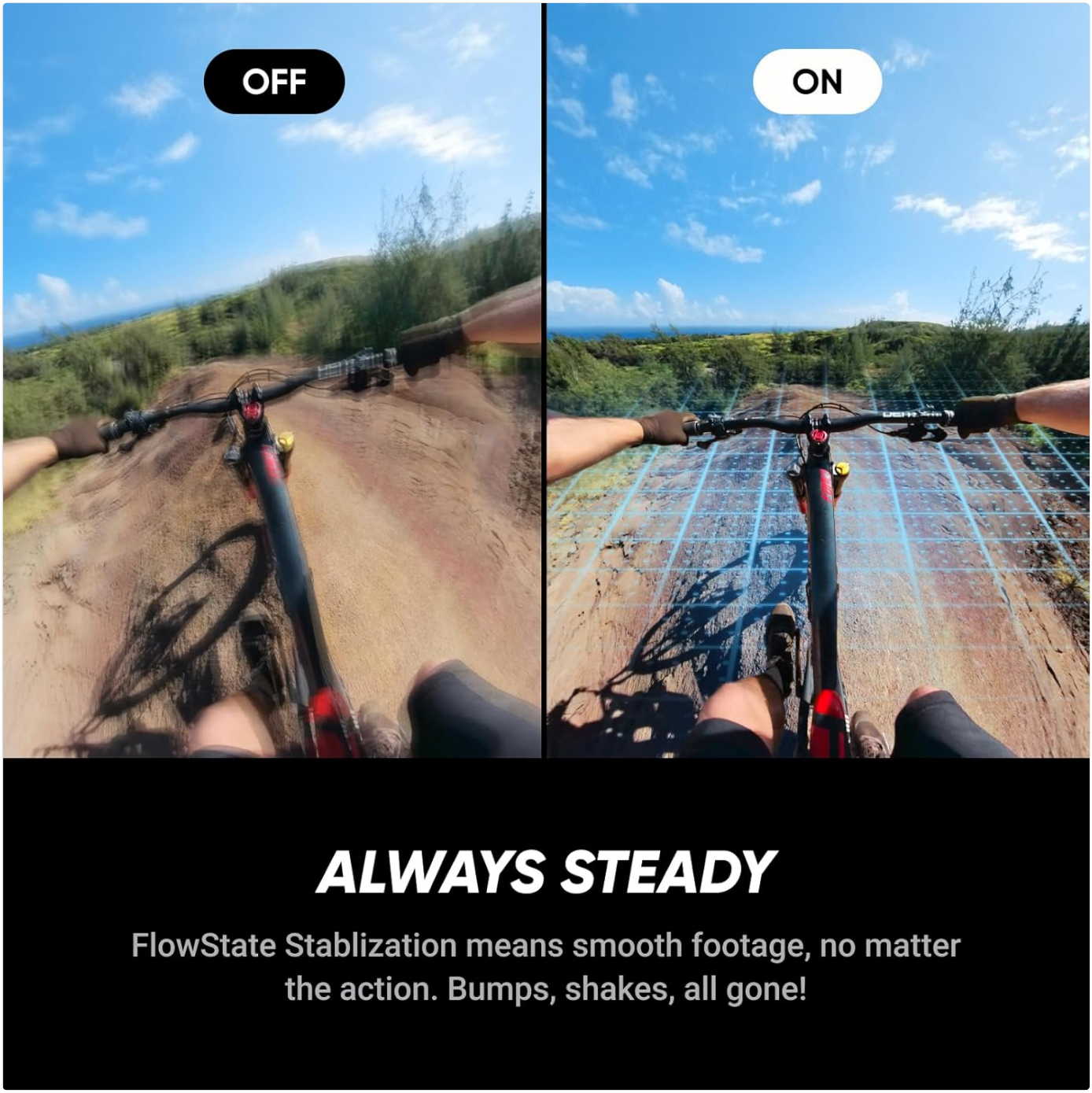


Figure 3.5: Demonstration of FlowState Stabilization, ensuring smooth video capture.

3.7 Wind Guard for Clearer Audio

The integrated 4-mic array features an advanced Wind Guard, designed to minimize wind noise and enhance voice clarity. This is particularly beneficial for vlogging, narration, and capturing audio in outdoor action scenes.

3.8 Waterproof Capabilities

The Insta360 X5 is waterproof to a depth of 49 feet (15 meters) without requiring an additional dive case. This allows for direct underwater filming and use in wet conditions.

3.9 AI-Assisted Export and Editing

The Insta360 app offers revolutionary AI editing features that can automatically create highlights from your footage. For quick sharing, a one-tap export function allows you to grab clips without extensive manual editing.

4. Maintenance

4.1 Replacing Lenses

The Insta360 X5 features fully replaceable lenses. In case of scratches or damage, new lenses can be easily swapped in within seconds using the appropriate tools (e.g., from a Lens Replacement Kit). This ensures the longevity and optimal performance of your camera.



Figure 4.1: Illustration of the replaceable lens design for easy maintenance.

4.2 General Care and Cleaning

To maintain your Insta360 X5, regularly wipe the camera body and lenses with the provided lens cloth or a soft, lint-free cloth. For waterproof integrity, ensure all ports and covers are securely closed before exposing the camera to water. After saltwater use, rinse the camera with fresh water and dry thoroughly.

5. Troubleshooting

5.1 Common Issues and Solutions

- **Camera not powering on:** Ensure the battery is charged. Connect to a power source and try again.
- **Footage appears shaky:** Verify that FlowState Stabilization is enabled in the camera settings. Ensure firm grip or stable mounting.
- **Poor audio quality:** Check for obstructions around the microphones. The built-in Wind Guard helps, but extreme wind may still affect audio.
- **MicroSD card errors:** Ensure the card is properly inserted and is a compatible speed class (UHS-I V30 or higher). Try formatting the card within the camera settings (this will erase all data).
- **Connectivity issues with app:** Ensure Bluetooth and Wi-Fi are enabled on both the camera and your mobile device. Restart both devices if necessary.

5.2 Firmware Updates

Regularly check for and install firmware updates for your Insta360 X5. Firmware updates often introduce new features, improve performance, and resolve bugs. Updates can typically be performed via the Insta360 mobile app or by downloading the firmware to a MicroSD card from the official Insta360 website.

6. Specifications

Feature	Detail
Model Number	CINSAAHA
Video Resolution	8K (360°)
Photo Sensor Technology	CMOS
Maximum Aperture	f/2.0
Screen Size	2.5 Inches (Touchscreen)
Battery Life	Up to 185 minutes (5.7K30fps Endurance Mode, Lab Environment)
Waterproof Rating	Up to 49ft (15m) without case
Storage	Micro SD (up to 1TB, UHS-I V30 recommended)
Connectivity	USB-C
Item Weight	Approx. 1.19 pounds

7. Warranty and Support

Insta360 products typically come with a standard manufacturer's warranty. For specific warranty terms, duration, and conditions, please refer to the warranty card included with your product or visit the official Insta360 website.

For technical support, troubleshooting assistance, or inquiries regarding your Insta360 X5, please contact Insta360 customer service through their official website or support channels. Keep your purchase receipt and product serial number handy for faster service.

Official Website: www.insta360.com

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

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

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