**Insta360 X5_ALT1**

# Insta360 X5 User Manual

Model: X5_ALT1

## INTRODUCTION

The Insta360 X5 is a versatile 360-degree action camera designed for capturing immersive video and high-resolution photos. Featuring advanced sensors, enhanced low-light performance, and robust stabilization, it is suitable for a wide range of activities, from action sports to everyday content creation. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Insta360 X5 camera.

## WHAT'S IN THE BOX



*Image: The Insta360 X5 camera shown alongside its charging cable, protective pouch, lens cloth, and user guide.*

Upon unboxing your Insta360 X5, please verify that all components are present:

- 1x Insta360 X5 Camera
- 1x Charge Cable (USB-C)
- 1x Protective Pouch
- 1x Lens Cloth

- 1x User Guide (this manual)
- 1x EVO Gimbals lens cloth

## SETUP

### 1. Charging the Battery

Before first use, fully charge the camera's battery. Connect the provided USB-C cable to the camera's charging port and a compatible USB power adapter (not included). The battery indicator on the camera will show charging status. A full charge takes approximately 20 minutes to reach 80% capacity.

### 2. Inserting a MicroSD Card

The Insta360 X5 requires a MicroSD card (not included) for storing footage and photos. Ensure the card is a U3 or V30 class with a maximum capacity of 1TB for optimal performance. Locate the MicroSD card slot on the side of the camera, insert the card with the gold contacts facing the front of the camera until it clicks into place.

### 3. Powering On/Off

To power on the camera, press and hold the Power button until the screen illuminates. To power off, press and hold the Power button until the shutdown prompt appears, then confirm.

### 4. Initial Pairing with Insta360 App

For full functionality and advanced controls, download the Insta360 app on your smartphone. Enable Bluetooth and Wi-Fi on your phone, then open the app and follow the on-screen instructions to connect to your Insta360 X5. This allows for remote control, live preview, and AI-powered editing features.

## OPERATING THE INSTA360 X5

### Capture Modes

The Insta360 X5 offers various capture modes to suit different shooting scenarios:

#### 8K 360 Video



*Image: A visual representation of 8K 360-degree video, showing a family on a beach captured in a "tiny planet"*

Capture ultra-clear 8K 30fps 360-degree videos. This mode utilizes both lenses to record a full spherical view, allowing for reframing and creative edits in post-production. Ideal for capturing entire scenes without missing any action.
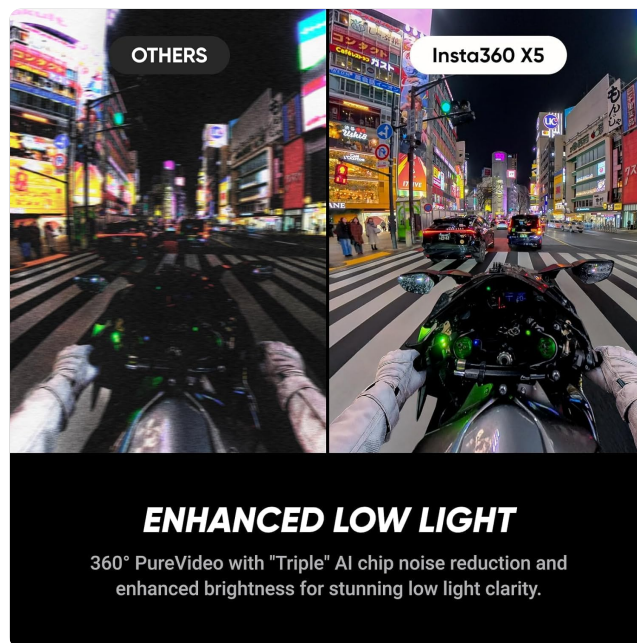
### PureVideo 360 (Enhanced Low Light)



*Image: A side-by-side comparison demonstrating the Insta360 X5's enhanced low light performance, with a blurry, noisy image on the left ("OTHERS") and a clear, bright image on the right ("Insta360 X5") of a city street at night.*

This mode leverages AI-powered noise reduction and dynamic range optimization to produce clear and vivid footage in low-light conditions. Perfect for night cycling, city exploration, or any scenario with challenging lighting.

### 4K60fps Single-Lens Mode

Use the X5 as a traditional action camera by selecting Single-Lens Mode. This captures standard flat video at 4K resolution and 60 frames per second. For an even wider perspective, utilize MaxView for a 170-degree view at 4K30fps.

### 72MP 360 Photo

Capture high-resolution 360-degree photos with 72 megapixels. This mode allows you to capture every angle of your environment in stunning detail. An HDR option is available for richer, more dynamic images.
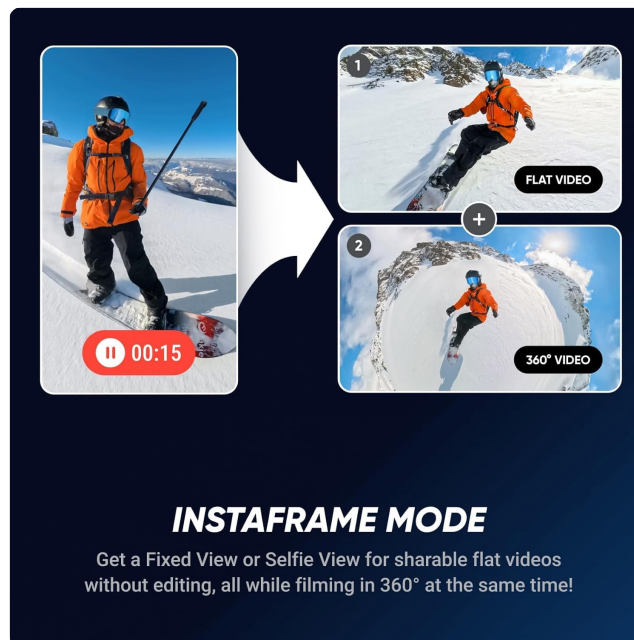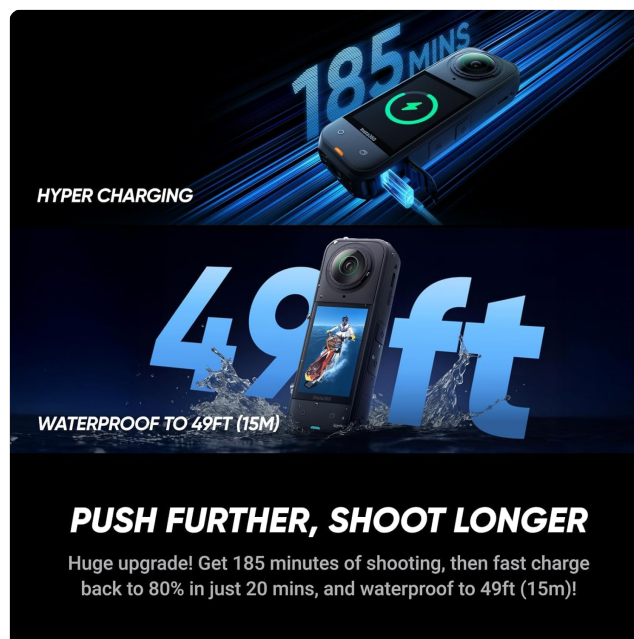
### InstaFrame Mode

*Image: A diagram illustrating InstaFrame Mode, showing a single 360-degree video capture on the left, and on the right, the simultaneous output of a flat video and the full 360-degree video, allowing for immediate sharing or later reframing.*

This new mode captures both flat and 360-degree video simultaneously. You can choose a "Selfie View" or "Fixed View" before filming to get an instant .mp4 file ready for sharing, while the full 360-degree footage is also saved for later reframing.

## Audio Features

The X5 features an advanced multi-layer windproof steel mesh and four versatile audio modes to ensure clear sound capture. This helps filter out wind noise and enhances voice clarity in various environments.

## Battery Life and Charging



*Image: A composite image highlighting the Insta360 X5's hyper charging capability (185 minutes of recording) and its waterproofing to 49ft (15m), with the camera shown charging and submerged in water.*

Equipped with a 2400mAh battery, the X5 offers up to 185 minutes of recording in endurance mode. It supports rapid charging, reaching 80% capacity in just 20 minutes.
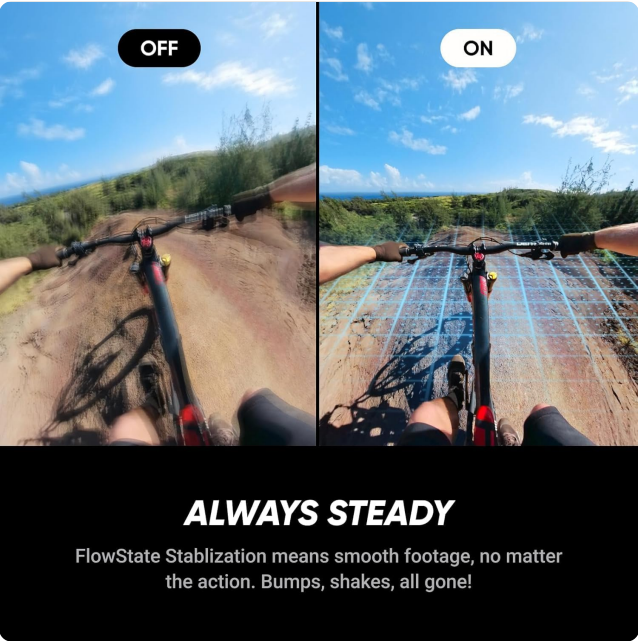
## Stabilization and Horizon Lock



*Image: A split image demonstrating the effectiveness of FlowState Stabilization, with a blurry, shaky view on the left ("OFF") and a clear, stable view on the right ("ON") from a first-person perspective while cycling.*

**FlowState Stabilization:** This technology helps eliminate shakes and bumps, ensuring smooth cinematic footage even during dynamic activities like skiing or mountain biking.

**360 Horizon Lock:** Maintains a level horizon in your footage, regardless of camera movement or orientation, ideal for activities with sharp turns or aerial maneuvers.

## Waterproofing

The Insta360 X5 is waterproof up to 49 feet (15 meters) on its own. For deeper underwater capture, an invisible dive case (sold separately) extends the waterproof depth to 50 meters.

## AI Editing and Features



*Image: A side-by-side comparison showing a snowboarder with a visible selfie stick ("REALITY") and the same snowboarder with the selfie stick digitally removed ("RESULT") using the Invisible Selfie Stick Effect.*

The Insta360 app provides AI-powered editing tools for easy clip creation and sharing. Features include:

- **AI-Powered Reframing:** Choose the best angles after recording 360-degree footage.
- **Invisible Selfie Stick:** The 360-degree lens makes the selfie stick disappear from your shots, creating drone-like or third-person perspectives.
- **Photo Animator:** Turn 360-degree photos into animated videos with AI facial recognition and preset effects.
- **Multiview:** Create split-screen effects with up to four views from a single 360-degree shot.

## Control Options

- **Twist to Shoot:** Twist the selfie stick back and forth twice to start or stop recording.
- **Voice Control 2.0:** Use voice commands to control the camera hands-free.
- **Gesture Control:** Initiate photo capture or video recording with specific hand gestures.

# MAINTENANCE

## Lens Care and Replacement



*Image: A visual demonstrating the Insta360 X5's replaceable lens design, showing a damaged lens being removed and a new one being installed, along with an image emphasizing the camera's durability against impacts.*

The X5 features upgraded lenses with sapphire glass-level scratch resistance. In case of damage, the lenses are user-replaceable. Refer to the Insta360 official website or support resources for detailed instructions on lens replacement. The camera is equipped with a Hall Effect sensor that automatically recognizes and adjusts to the correct lens mode when protective lenses are changed, preventing stitching issues.

## General Cleaning

Use the provided lens cloth to gently clean the camera lenses. For the camera body, a soft, dry cloth is sufficient. Avoid using harsh chemicals or abrasive materials that could damage the camera's finish or lenses.

## Storage

When not in use, store the Insta360 X5 in its protective pouch in a cool, dry place away from direct sunlight and extreme temperatures.

# TROUBLESHOOTING

## Camera Not Powering On

- Ensure the battery is sufficiently charged. Connect the camera to a power source and allow it to charge for at least 30 minutes.
- Try a different charging cable and power adapter.
- Perform a hard reset by pressing and holding the Power button for 10-15 seconds.

## Footage Appears Shaky or Unstable

- Ensure FlowState Stabilization is enabled in the camera settings.
- Check if the camera lenses are clean and free from obstructions.
- Verify that the camera is securely mounted to any accessories.

## MicroSD Card Errors

- Ensure the MicroSD card is properly inserted.
- Format the MicroSD card within the camera settings (this will erase all data on the card).
- Use a high-speed MicroSD card (U3 or V30 class recommended).
- Try a different MicroSD card to rule out card malfunction.

## App Connection Issues

- Ensure Bluetooth and Wi-Fi are enabled on both the camera and your smartphone.
- Restart both the camera and the smartphone.
- Update the Insta360 app to the latest version.
- Forget the camera's Wi-Fi network on your phone and reconnect.

## SPECIFICATIONS

| Feature | Detail |
| --- | --- |
| Brand | Insta360 |
| Model Number | X5_ALT1 |
| Item Weight | 1.19 pounds |
| Product Dimensions | 1.53 x 1.8 x 4.9 inches |
| Batteries | 1 9V battery (included) |
| Photo Sensor Technology | CMOS |
| Video Capture Resolution | 8K |
| Maximum Focal Length | 6 Millimeters |
| Maximum Aperture | 5.6 Millimeters |

| Feature | Detail |
| --- | --- |
| Flash Memory Type | Micro SDXC |
| Video Capture Format | INSV |
| Supported Audio Format | MP4 |
| Screen Size | 2.5 Inches |
| Connectivity Technology | Bluetooth |
| Waterproof Depth | Up to 49ft (15m) without case |
| Battery Capacity | 2400mAh |
| Max Recording Time | 185 minutes (endurance mode) |

## WARRANTY AND SUPPORT

For warranty information, please refer to the official Insta360 website or the documentation provided with your purchase. For technical support, customer service is available from EVO Gimbals, based in Bend, OR, with replies typically within 24 hours.

For the latest software updates, FAQs, and additional resources, visit the official Insta360 support page:

www.insta360.com/support