

Insta360 CINSBBGA-ALT1

Insta360 Ace Pro 2-8K Waterproof Action Camera User Manual

Brand: Insta360 | Model: CINSBBGA-ALT1

INTRODUCTION

The Insta360 Ace Pro 2-8K Waterproof Action Camera is designed for capturing high-quality video and photos in various environments. Featuring a flagship 1/1.3" sensor and co-engineered with Leica, it delivers exceptional image quality, including 8K30fps video. Its robust design, including a 2.5" flip screen and advanced stabilization, makes it suitable for action-packed scenarios and vlogging. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your camera.

WHAT'S IN THE BOX

Upon unboxing your Insta360 Ace Pro 2, verify that all components are present:

- 1x Insta360 Ace Pro 2 Camera
- 1x Wind Guard (pre-installed by default)
- 2x Batteries
- 1x Standard Mount
- 1x Mic Cap
- 1x USB-C Cable
- 1x EVO Gimbals Lens Cloth



Image: The Insta360 Ace Pro 2 camera, two batteries, a USB-C cable, a standard mount, a mic cap, a wind guard, and an EVO Gimbals lens cloth.

SETUP

1. Charging the Battery

Before first use, fully charge the included batteries. Insert a battery into the camera. Connect the camera to a USB power source using the provided USB-C cable. The charging indicator light will show the charging status.

2. Inserting a MicroSD Card

The Insta360 Ace Pro 2 requires a MicroSD card (not included with the "No Card" variant) for storing footage. Open the battery compartment cover. Locate the MicroSD card slot and insert the card with the contacts facing the correct direction until it clicks into place. Ensure the card is a V30 or higher speed rating for optimal performance.

3. Powering On/Off

- To power on: Press and hold the Power button (located on the side) for a few seconds until the screen illuminates.
- To power off: Press and hold the Power button until the camera powers down.

4. Initial App Connection and Registration

For full functionality and to activate your camera, it is necessary to connect it to the Insta360 app on your smartphone. Download the Insta360 app from your device's app store. Follow the in-app instructions to connect your camera via Bluetooth and Wi-Fi. This process includes a mandatory registration step to unlock all features and ensure proper operation.

OPERATING THE CAMERA

1. Understanding the Displays

- **2.5" Flip Touchscreen:** The main display can be flipped up for front-facing viewing, ideal for vlogging or selfies. Use it to navigate menus, preview shots, and adjust settings.
- **0.7" Front Screen:** A small display on the front provides quick access to active settings and recording status without needing to flip the main screen.

2. Capturing Video and Photos

The Ace Pro 2 offers versatile recording options:

- **High Resolution:** Record stunning 8K24fps video for incredible detail.
- **Slow Motion:** Capture dynamic action with 4K60fps slow-motion capabilities.
- **Active HDR:** Utilize Active HDR for more vibrant and balanced shots, especially in challenging lighting conditions. This feature enhances dynamic range, revealing details in both highlights and shadows.

Active HDR Off



Active HDR On



4K60FPS ACTIVE HDR & LEICA COLOR PROFILES

4K60fps Active HDR unlocks powerful dynamic range, and Leica color profiles infuse shots with their signature aesthetic.

Image: A side-by-side comparison demonstrating the visual improvement when Active HDR is enabled, showing richer colors and better detail in both bright and dark areas.

3. Low Light Performance

The camera features a flagship 1/1.3" 8K sensor and a 5nm AI chip, which significantly improve low-light image brightness and reduce noise. The new PureVideo mode is specifically designed to redefine low-light shooting in action cameras, offering innovative AI noise reduction and enhanced dynamic range for clearer footage in dim conditions.

Other Action Camera



Insta360 Ace Pro 2



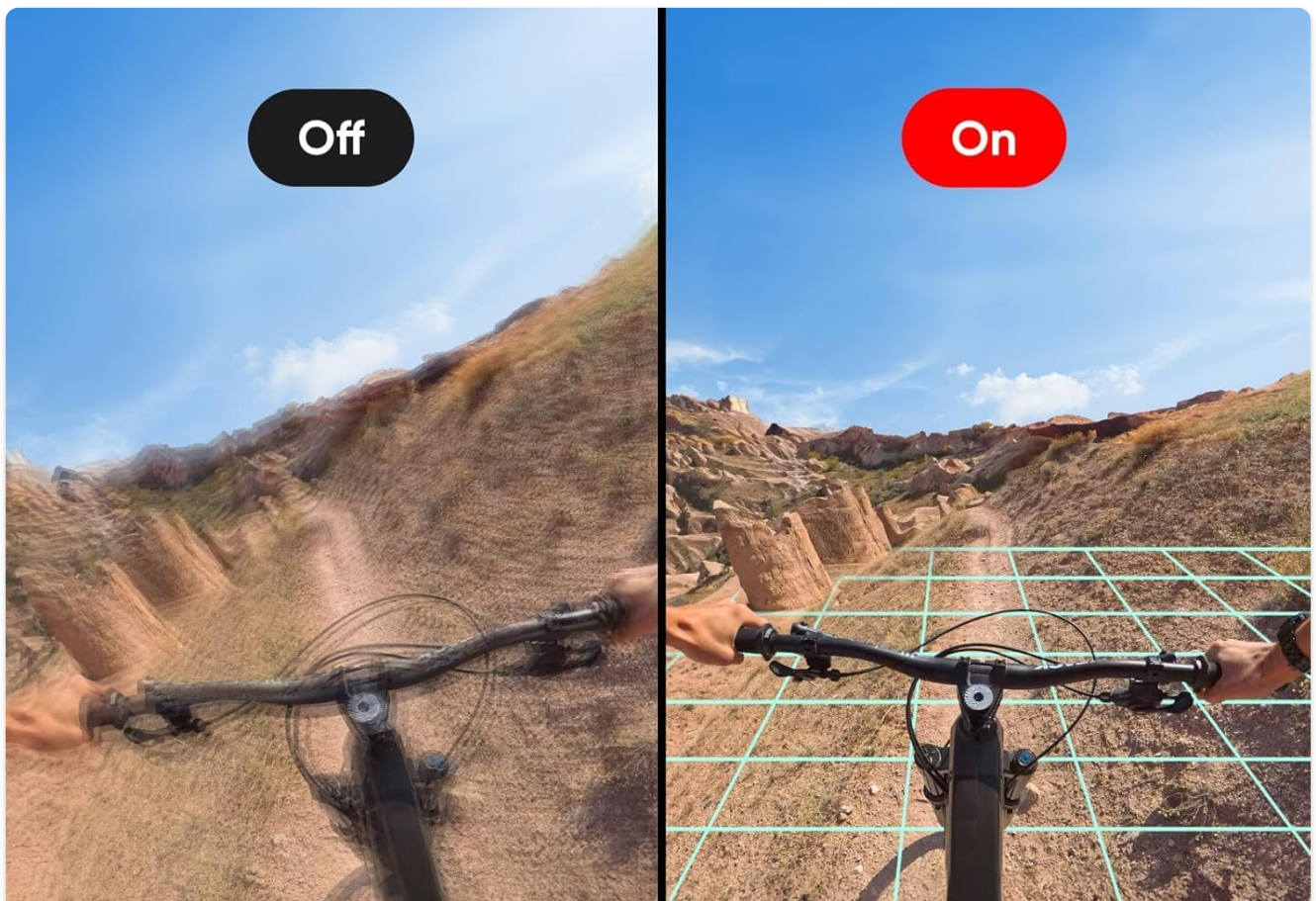
LOW LIGHT EXCELLENCE

4K60fps PureVideo ensures clarity in any light with AI noise reduction and enhanced brightness.

Image: A comparison showing the superior low-light performance of the Insta360 Ace Pro 2 compared to another action camera, with the Ace Pro 2 image being significantly brighter and clearer.

4. FlowState Stabilization

The leading FlowState Stabilization technology keeps your shots incredibly smooth and perfectly level, even during intense action. It uses a scene-detection algorithm to ensure professional-looking results. The camera also includes in-camera 360° Horizon Lock for maintaining a level horizon regardless of camera orientation.



FLOWSTATE STABILIZATION

Keep shots impossibly smooth and perfectly level with superior image stabilization and in-camera 360° Horizon Lock.

Image: A side-by-side view demonstrating the effectiveness of FlowState Stabilization, showing a shaky, distorted view on the left and a smooth, level view on the right.

5. Audio Quality with Wind Guard

An innovative Wind Guard is included and can be snapped on or off as needed to minimize wind noise during peak moments, ensuring top-tier audio capture.



NEW WIND GUARD FOR TOP-TIER AUDIO

An innovative Wind Guard minimizes noise during peak moments, ready to snap on or off as needed.

Image: A close-up of the Insta360 Ace Pro 2 camera highlighting the new wind guard accessory, designed to improve audio quality by reducing wind noise.

6. Waterproofing and Durability

The Ace Pro 2 is rugged and waterproof to 39ft (12m) without an additional case, making it suitable for underwater adventures. It is also designed to operate in temperatures as low as -20°C (-4°F), ideal for winter sports.



RUGGED & WATERPROOF TO 39FT

Solid performance with a sturdy flip screen that can handle the action. Waterproof to 39ft (12m) and ready to explore.

Image: Two images showing the Insta360 Ace Pro 2's durability: one underwater with bubbles, and another in a dusty, rugged outdoor setting.

7. Magnetic Mounting System

The camera features a magnetic mounting system, allowing for seamless and quick switching between various accessories and mounts.

8. Smart Features

- **Pause Recording:** Temporarily pause and resume recording without creating multiple files.
- **Gesture Control:** Control certain camera functions using hand gestures.
- **Clarity Zoom:** Digitally zoom in on subjects without significant loss of image quality.
- **AI Highlights:** The built-in AI automatically identifies and generates highlights from your footage, pushing a ready-to-share video to you via the Insta360 app.

MAINTENANCE

1. Cleaning the Camera

Regularly clean the camera lens and screen with the provided EVO Gimbals lens cloth or a soft, lint-free cloth. For stubborn smudges, a small amount of lens cleaning solution can be used. Ensure the camera is dry before closing any ports or compartments, especially after exposure to water.

2. Battery Care

To prolong battery life, avoid extreme temperatures. Store batteries in a cool, dry place. If storing for extended periods, charge them to approximately 50% capacity. Do not expose batteries to fire or dispose of them improperly.

3. Storage

When not in use, store the camera in a protective case to prevent scratches and damage. Keep it away from dust and moisture.

TROUBLESHOOTING

- Camera will not power on:**

Ensure the battery is fully charged. If the issue persists, try a different charged battery. Verify that the camera has been connected to the Insta360 app and registered, as initial activation is required for full functionality.
- Footage is blurry or out of focus:**

Clean the camera lens. Ensure there is no condensation on the lens. Check that the camera's focus mode (if applicable) is set correctly.
- Camera freezes or becomes unresponsive:**

Perform a force restart by holding down the Power button for approximately 10 seconds. If the issue continues, remove and reinsert the battery.
- MicroSD card error:**

Ensure the MicroSD card is properly inserted. Try formatting the card within the camera's settings (this will erase all data). Use a high-speed, reputable brand MicroSD card (V30 or higher recommended).
- Poor audio quality:**

Ensure the mic cap is correctly installed if desired. If recording in windy conditions, attach the included Wind Guard. Check for any obstructions covering the microphone ports.

SPECIFICATIONS

Feature	Detail
Item Weight	2 pounds
Product Dimensions	13 x 2 x 11 inches
Country of Origin	China
Item model number	CINSBBGA-ALT1
Batteries	2 Lithium Ion batteries required. (included)







Feature	Detail
Color Name	Black
Special Features	Touchscreen, Wind Noise Reduction, FlowState Stabilization, Slow Motion, waterproof, Lightweight
Photo Sensor Technology	CMOS
Video Capture Resolution	8K24, 4K120fps
Maximum Focal Length	30 Millimeters
Maximum Aperture	2.6 Millimeters
Flash Memory Type	Micro SDXC
Video Capture Format	MP4
Supported Audio Format	AAC, MP3, PCM
Screen Size	2.5 Inches
Connectivity Technology	Bluetooth
Visible screen diagonal	3" / 7 cm

OFFICIAL PRODUCT VIDEOS

No official product videos from the seller were found in the provided data. Please refer to the manufacturer's official website or channels for video tutorials and demonstrations.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Insta360 website or contact their customer service. You can also visit the [Insta360 Store on Amazon](#) for additional resources and contact details. Customer service for EVO Gimbals, the seller, is based in Bend, OR, and typically replies within 24 hours.

<div><div><div>Insta360 Ace Pro 2</div><div>360° Panoramic Action Camera</div></div><div>User Manual</div><div></div></div>	<p>Insta360 Ace Pro 2 User Manual: Setup, Features, and Operation</p> <p>Comprehensive user manual for the Insta360 Ace Pro 2 action camera, covering setup, accessories, features like Clarity Zoom and GPS Activity Stats, maintenance, and troubleshooting.</p>
<div><div><div>Insta360 Ace Pro 2</div><div>360° Panoramic Action Camera</div></div><div>User Manual</div><div></div></div>	<p>Insta360 Ace Pro 2 User Manual - Comprehensive Guide</p> <p>Explore the Insta360 Ace Pro 2 user manual for detailed instructions on setup, usage, features, and maintenance. Learn about accessories, charging, and connecting to the Insta360 app.</p>
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<div><div><div>Insta360 Mini Remote</div><div>迷你遥控器</div></div><div>Mini Remote</div><div></div></div>	<p>Insta360 Mini Remote: User Manual and Specifications</p> <p>Comprehensive guide to the Insta360 Mini Remote, covering product appearance, charging, installation, usage, firmware updates, specifications, safety information, and warranty.</p>