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› Insta360 Ace Pro 2 Instruction Manual

Insta360 CINSBBGA-BAT-BDL

Insta360 Ace Pro 2 Instruction Manual

Comprehensive guide for your 8K Waterproof Action Camera

INTRODUCTION

The Insta360 Ace Pro 2 is a high-performance 8K waterproof action camera co-engineered with Leica. Featuring a 1/1.3" sensor, dual AI chips, and superior low-light capabilities, it is designed to capture stunning footage in any environment. This manual provides essential information for setup, operation, maintenance, and troubleshooting to ensure optimal use of your device.

WHAT'S IN THE BOX

- 1x Insta360 Ace Pro 2 Camera
- 1x Wind Guard (pre-installed)
- 2x Batteries
- 1x Standard Mount
- 1x Mic Cap
- 1x USB-C Cable

SETUP

Physical Overview

Familiarize yourself with the camera's components and controls.



Image: Insta360 Ace Pro 2 camera and included accessories, including the camera body with its flip screen open, a standard mount, a wind guard, a USB-C cable, and a battery.

2.5" Flip Touchscreen: For previewing shots and navigating menus.

Power Button: Located on the side for turning the camera on/off.

Shutter Button: On top for starting/stopping recording or taking photos.

Battery Compartment: Located on the side, accessible for battery insertion.

MicroSD Card Slot & USB-C Port: Behind a side door for data transfer and charging.

Standard Mount Connector: At the bottom for attaching accessories.

Battery and MicroSD Card Installation

Proper installation of the battery and microSD card is crucial for camera operation.

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Video: Official Insta360 Ace Pro 2 - First Use Guide. This video demonstrates the unboxing, camera overview, installation of battery and

microSD card, app download and activation, and charging/transferring data.

1. **Battery Installation:** Hold down the latch on the battery cover and pull it down to open the compartment. Insert the battery, ensuring the markings on the battery align with the compartment. Push the cover upwards until it clicks into place.
2. **MicroSD Card Installation:** Press on the latch of the USB cover, slide it downward, then lift to open. Insert the microSD card into the slot. Close the USB cover until it clicks. (Note: MicroSD card must be purchased separately.)

App Download and Activation

The Insta360 app is required to activate and fully utilize your camera.

1. Ensure your smartphone is connected to the internet and has both Wi-Fi and Bluetooth enabled.
2. Download the "Insta360" app from your device's app store.
3. Open the app, select your device (Ace Pro 2), and tap "Connect".
4. Follow the on-screen prompts to confirm the connection and activate your camera.

OPERATING

Basic Controls

- **Power On/Off:** Press the power button to turn the camera on. Long press to turn it off.
- **Start/Stop Recording:** Press the shutter button to start recording. Press again to stop.
- **Mark Highlights:** While recording, press the shutter button to mark highlights in your footage for easier editing later.

Screen Navigation and Modes

The flip touchscreen allows intuitive control over camera settings and modes.

Insta360 Ace Pro 2

CO-ENGINEERED WITH



LEICA

1/1.3"

NEXT-GEN 1/1.3" 8K SENSOR

An advanced 1/1.3" 8K sensor and Leica SUMMARIT lens deliver unparalleled quality, 4K60fps Active HDR and 8K30fps video.

Image: Insta360 Ace Pro 2 with its flip screen displaying the camera interface, including shooting mode, battery level, and memory card capacity.

- **Swipe Down:** Access the shortcut menu for quick settings.
- **Swipe Left/Right:** Switch between different shooting modes (Video, Photo, PureVideo, TimeShift, etc.).
- **Swipe Up:** Access shooting specifications (resolution, frame rate, HDR, stabilization).
- **Tap Screen:** Hide/show information overlay.
- **Double Tap:** Zoom in/out on the preview.

Key Features and Modes

- **8K Video Recording:** Capture ultra-high-definition video at 30fps.
- **4K60fps Active HDR:** Enhanced dynamic range for better light and shadow details.
- **PureVideo Mode:** Redefines low-light shooting up to 4K60fps with AI noise reduction.
- **FlowState Stabilization:** Ensures impossibly smooth and level footage.
- **Clarity Zoom:** Zoom in up to 2x without losing details in 4K.

- **Gesture Control:** Control the camera with hand gestures for easier shooting.
- **Voice Control 2.0:** Use voice commands to operate the camera.
- **Dashcam Mode:** Automatically saves footage based on set storage space.
- **AI Highlights Assistant:** Automatically finds and merges highlights in-camera.
- **AI Selfie Stick Eraser:** Removes the selfie stick from your final shot in the app.
- **AI Warp:** Add dynamic customizable AI effects to your videos.

MAINTENANCE

Waterproofing Guidelines

The Insta360 Ace Pro 2 is waterproof to 39ft (12m) without a dive case. For water sports scenarios like diving or surfing, ensure the mic cap or wind guard is removed and replaced with the included mic cap before entering the water. Ensure the red silk screen is completely covered and the wind guard is not loose.

Cleaning and Care

- After underwater use, rinse the camera with fresh water and allow it to dry completely before opening any compartments.
- Use a soft, lint-free cloth to clean the lens and screen. Avoid abrasive materials.
- Store the camera in a dry, cool place away from direct sunlight.

TROUBLESHOOTING

If you encounter issues, try the following common troubleshooting steps:

- **Camera Not Turning On:** Ensure the battery is fully charged and correctly inserted.
- **App Connectivity Issues:** Check your phone's Wi-Fi and Bluetooth settings. Ensure the camera's firmware is up to date via the app.
- **Footage Quality Issues:** Check shooting mode and resolution settings. Ensure lens is clean.
- **Overheating:** Avoid prolonged use in direct sunlight or enclosed spaces.

For more detailed troubleshooting, refer to the official user manual PDF.

SPECIFICATIONS

Feature	Detail
Brand	Insta360

Model Number	CINSBBGA-BAT-BDL
Item Weight	6.3 ounces
Product Dimensions	2.8 x 1.18 x 2.05 inches
Video Capture Resolution	8K
Photo Sensor Technology	CMOS
Maximum Focal Length	13 Millimeters
Maximum Aperture	2.6 f
Screen Size	2.4 Inches
Connectivity Technology	Bluetooth, Wi-Fi, USB
Special Features	8K Video Recording, Leica Co-Engineered Sensor, Dual AI Chips, Advanced Low Light Performance

ACCESSORIES

Enhance your Ace Pro 2 experience with official accessories.

Utility Frame

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Video: Insta360 Ace / Ace Pro / Ace Pro 2 Utility Frame. This video demonstrates the utility frame, its installation, and various mounting options.

The Utility Frame provides protective metal housing and multiple mounting points, including a 1/4"-20 thread and cold shoe mounts for external accessories like microphones or lights. It allows for easy switching between vertical and horizontal orientations.

Explorer Grip Kit

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Video: Insta360 Ace Pro 2 / Tilta Xplorer Grip Kit - Compact Cam! This video showcases the Tilta Xplorer Grip Kit, its components, and how it enhances handheld use of the camera.

The Explorer Grip Kit, co-developed with Tilta, transforms the Ace Pro 2 into a more conventional handheld system. It includes a robust frame, an ergonomic handgrip for comfortable long shoots, a shutter button extension, and a wrist strap for added security during extreme activities.

WARRANTY & SUPPORT

For detailed warranty information and further support, please refer to the official user manual PDF available [here](#).

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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