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Insta360 CINSAAJA

Insta360 Ace Pro 2 User Manual

Model: CINSAAJA

1. PRODUCT OVERVIEW AND PACKAGE CONTENTS

The Insta360 Ace Pro 2 is a high-performance waterproof action camera co-engineered with Leica, featuring an 8K sensor, dual AI chips, and advanced low-light capabilities. This manual provides essential information for setting up, operating, and maintaining your camera.

1.1 Package Contents

Standard Bundle

The 8K AI-powered action cam.



In the box:



Camera



Battery



Standard Mount



USB-C Cable



Mic Cap



Wind Guard

Figure 1.1: Insta360 Ace Pro 2 Standard Bundle Contents

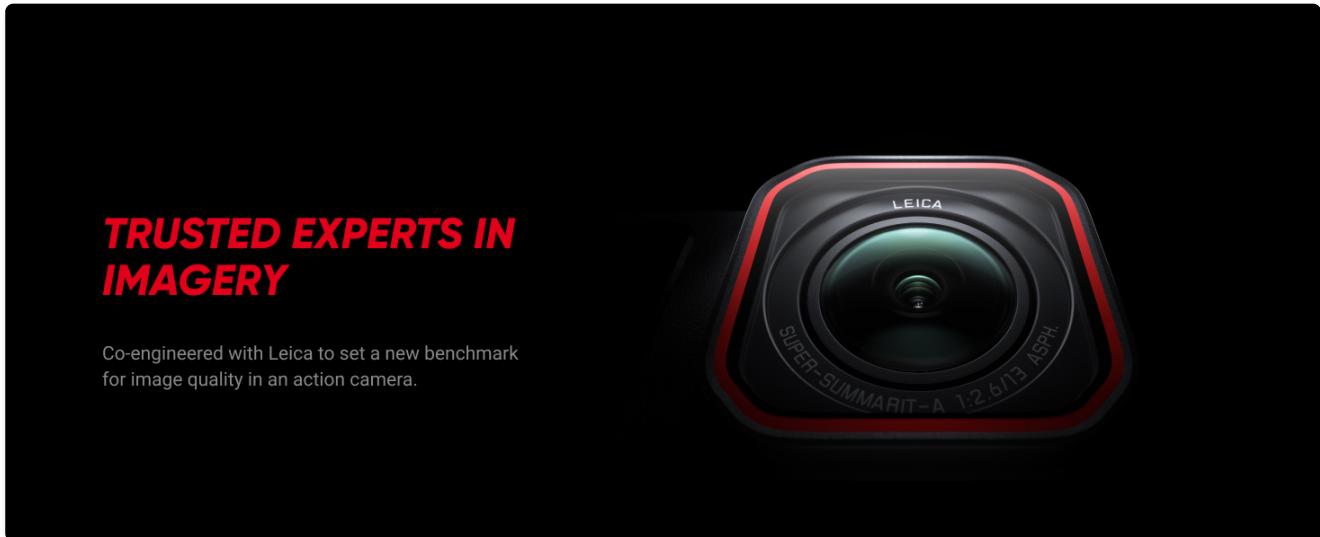
- 1x Insta360 Ace Pro 2 Camera
- 1x Wind Guard (pre-installed by default)
- 1x Battery
- 1x Standard Mount
- 1x Mic Cap
- 1x USB-C Cable

2. KEY FEATURES

2.1 Imaging System

The Ace Pro 2 features a new 1/1.3" 8K sensor and a Leica SUMMARIT lens, offering 13.5 stops of dynamic range

and 2.4 μ m equivalent pixel size for exceptional image quality.



TRUSTED EXPERTS IN IMAGERY

Co-engineered with Leica to set a new benchmark for image quality in an action camera.

Figure 2.1: Leica SUMMARIT Lens

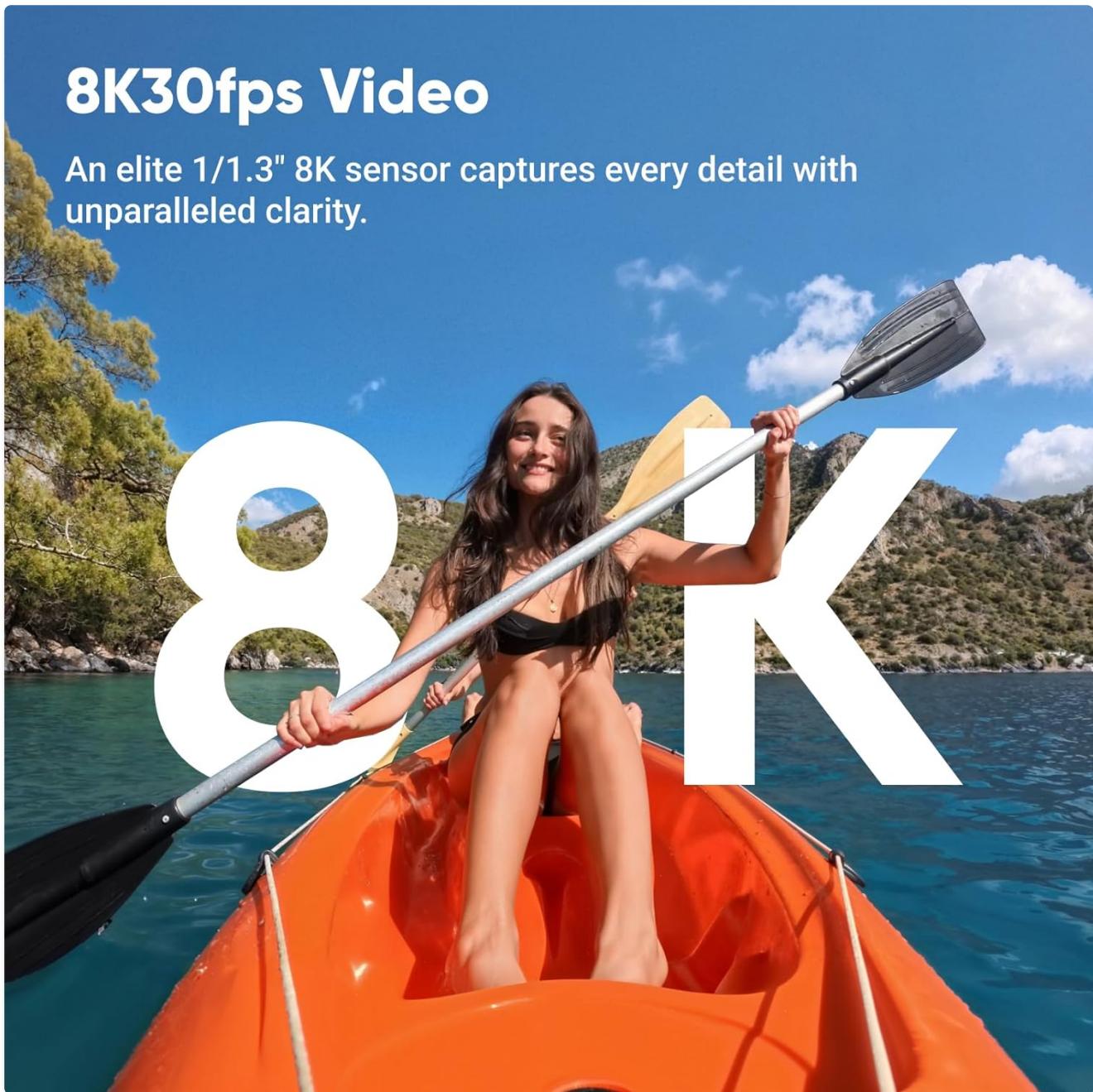


Figure 2.2: 8K30fps Video Capture

2.2 Dual AI Chip

Equipped with a dedicated Pro Imaging Chip for noise reduction and image processing, and a 5nm AI Chip for enhanced performance, delivering 100% more computing power than previous models.

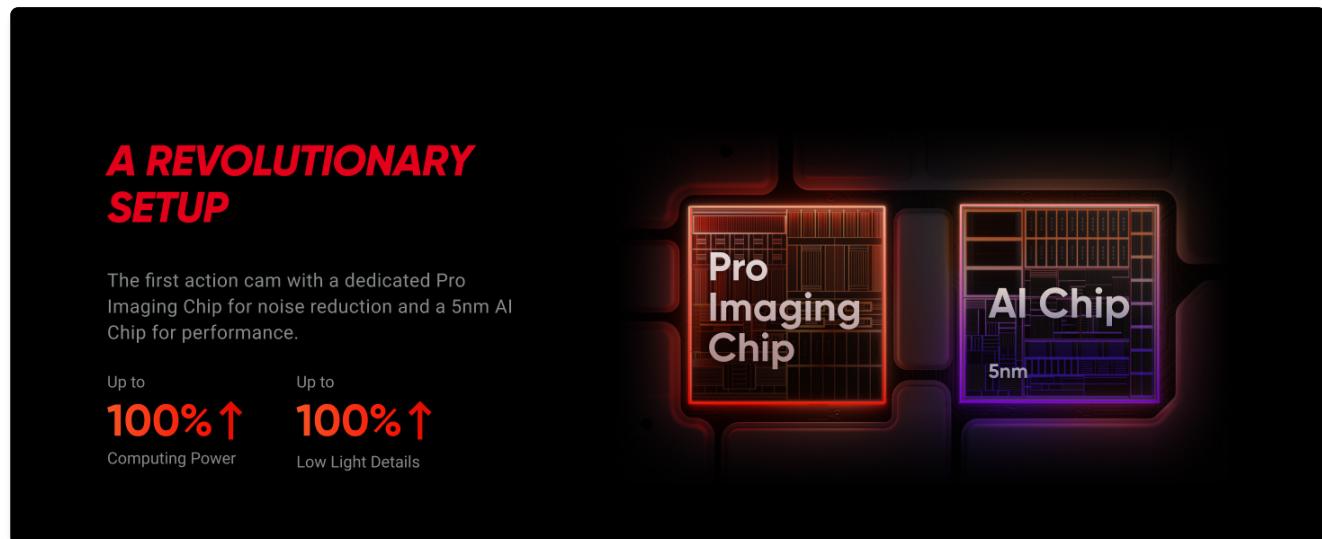


Figure 2.3: Dual AI Chip Architecture

2.3 Low Light Performance

PureVideo Mode allows for superior low-light shooting up to 4K60fps, utilizing AI noise reduction for crisp details and enhanced brightness.

Low Light Excellence

4K60fps PureVideo guarantees stunning quality in low light.



Figure 2.4: Low Light Excellence with PureVideo

2.4 Audio Quality

An all-new Wind Guard minimizes wind noise, and refreshed audio algorithms ensure clear sound capture.

TOP-TIER AUDIO

The removable Wind Guard minimizes noise during peak moments, while refreshed audio algorithms bring clarity to your content.



Figure 2.5: Top-Tier Audio with Wind Guard

2.5 Display and Control

The 2.5" flip touchscreen offers improved pixel density and brightness, making it easy to preview and control your shots in various conditions.

2.5" Flip Touchscreen

Master every perspective and preview shots at a glance.



Figure 2.6: 2.5" Flip Touchscreen Versatility

2.6 Stabilization and Field of View

FlowState Stabilization ensures smooth footage, complemented by a 157° wide-angle lens and MegaView FOV for comprehensive scene capture.

IMPOSSIBLY SMOOTH, ALWAYS LEVEL

Rock-solid stability and perfect leveling with FlowState Stabilization and in-camera 360° Horizon Lock.

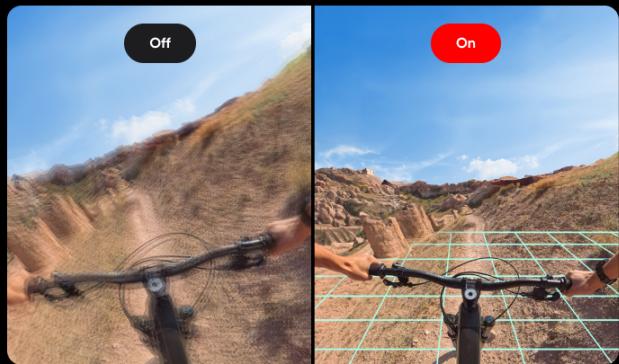


Figure 2.7: FlowState Stabilization



157° WIDE-ANGLE LENS

Capture it all and then some. A wider field of view takes POV shots to the next level.



MEGAVIEW

Less distortion and straighter, cleaner edges. MegaView unlocks a wider FOV, keeping your shot picture-perfect and exactly as you saw it.

Figure 2.8: Wide-Angle Lens and MegaView

2.7 Durability and Battery

The camera is waterproof to 39ft (12m) and designed for rugged use, with an 1800mAh battery providing up to 180 minutes of run time and fast charging capabilities.

READY WHEN YOU ARE

Fast charging powers the battery to 80% in just 18 minutes and 100% in 47 minutes, with an 1800mAh battery delivering an impressive 180-minute run time.

*Tested in 77°F (25°C) lab environment, 1080p24fps video with Active HDR off in Endurance Mode. Battery life may vary under different conditions.

180 Mins

Battery Life

18 Mins

to 80%



Figure 2.9: Battery Life and Fast Charging

2.8 Smart Features and AI Editing

Features include magnetic mounting, 4K Clarity Zoom, Gesture Control, Voice Control 2.0, and AI-powered editing tools like AI Highlights Assistant and Auto Editing.

4K Clarity Zoom

Zoom in or out 2x without losing image quality.



2x Other



2x Insta360 Ace Pro 2



Figure 2.10: 4K Clarity Zoom



GESTURE CONTROL

Recognizes gestures for easier shooting. Perfect for groups and loud environments, and it works with gloves and helmets on, too.



VOICE CONTROL 2.0

Just say the word. The new voice control algorithm makes it easy to control your camera when it's out of reach.

Figure 2.11: Gesture and Voice Control



AI HIGHLIGHTS ASSISTANT

Instantly share your best moments with AI-generated highlights. AI automatically crafts montages for you in the Memories section of the Insta360 app.

AUTO EDITING

AI brings your clips to life with a single tap. Showcase every exciting moment without putting in the work.

Figure 2.12: AI Editing Features

3. INITIAL SETUP

3.1 Charging the Battery

Before first use, fully charge the camera battery. Connect the included USB-C cable to the camera's USB-C port and a power adapter (not included). The indicator light will show charging status.

3.2 Inserting a microSD Card

The Insta360 Ace Pro 2 requires a microSD card (not included) to store footage. Open the battery compartment and insert a compatible microSD card (UHS-I Speed Class 3 or above, up to 1TB recommended) with the contacts facing down.

3.3 Powering On/Off

- To power on: Press and hold the Power button (located on the side) for 2 seconds.

- To power off: Press and hold the Power button for 3 seconds until the camera shuts down.

3.4 Connecting to the Insta360 App

For full functionality and advanced editing, download the Insta360 app on your smartphone. Enable Bluetooth and Wi-Fi on your phone, then follow the in-app instructions to connect to your Ace Pro 2.

4. OPERATING YOUR INSTA360 ACE PRO 2

4.1 Basic Recording

- **Video Recording:** From the main screen, tap the record button or press the Shutter button to start/stop recording.
- **Photo Capture:** Swipe on the touchscreen to switch to Photo mode, then tap the shutter icon or press the Shutter button.

4.2 Using the Flip Touchscreen

The 2.5" flip touchscreen can be adjusted to various angles for easy framing, especially for vlogging or unique perspectives. Simply flip the screen to your desired position.

4.3 Changing Shooting Modes

Swipe left or right on the touchscreen to navigate between different shooting modes such as Video, Photo, FreeFrame Video, Timelapse, Starlapse, and Timeshift. Tap on a mode to select it.

4.4 Magnetic Mounting System

The camera features a magnetic mounting system for quick attachment and detachment from compatible accessories. Ensure the mount is securely clicked into place before use.

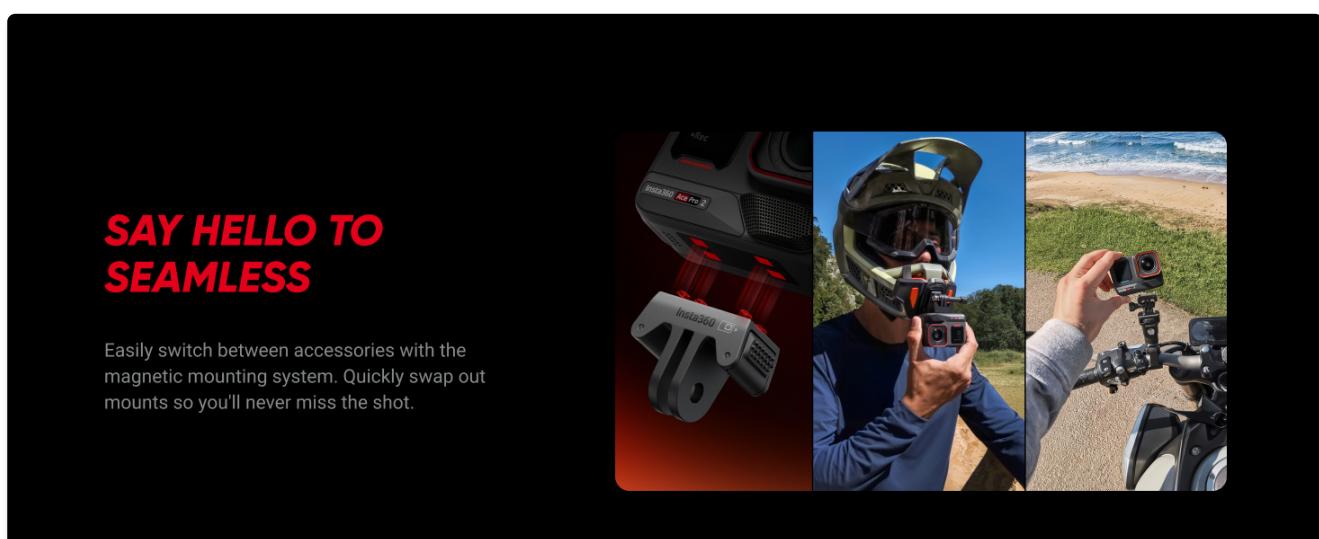


Figure 4.1: Magnetic Mounting in Action

5. MAINTENANCE AND CARE

5.1 Cleaning the Camera

- Use a soft, lint-free cloth to clean the camera body.
- For the lens, use a specialized lens cleaning cloth and solution. Avoid abrasive materials.
- After underwater use, rinse the camera with fresh water and allow it to dry completely before opening any ports.

5.2 Battery Care

- Store batteries in a cool, dry place.
- Avoid fully discharging the battery for extended periods.
- If storing for a long time, charge the battery to approximately 50-60%.

5.3 Storage

When not in use, store the camera in a protective case to prevent scratches and damage. Keep it away from extreme temperatures and high humidity.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera does not power on.	Low battery; firmware issue.	Charge the battery. If problem persists, perform a factory reset or update firmware.
Footage is blurry or unstable.	Dirty lens; stabilization off; insufficient lighting.	Clean the lens. Ensure FlowState Stabilization is enabled. Use PureVideo mode in low light.
Camera not connecting to app.	Bluetooth/Wi-Fi off; app outdated; camera not in pairing mode.	Ensure phone's Bluetooth/Wi-Fi is on. Update Insta360 app. Restart camera and phone.
Battery drains quickly.	High-resolution recording; extreme temperatures; old battery.	Reduce resolution/frame rate. Operate within recommended temperature range. Consider replacing battery if old.

For more detailed troubleshooting, refer to the official Insta360 support website or contact customer service.

7. TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	Insta360
Model Number	CINSAAJA
Sensor	1/1.3" 8K Sensor
Lens	Leica SUMMARIT
Video Resolution	Up to 8K30fps, 4K60fps Active HDR
Display	2.5" Flip Touchscreen
Waterproof Depth	39ft (12m)
Battery Capacity	1800mAh
Storage	Micro SD (UHS-I Speed Class 3 or above, up to 1TB)
Connectivity	Bluetooth, USB, Wi-Fi
Item Weight	1.17 pounds
Dimensions	7.09 x 4.8 x 3.94 inches (Package)

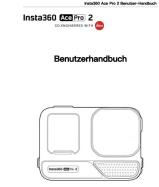
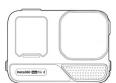
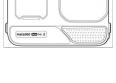
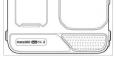
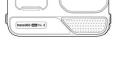
8. WARRANTY AND SUPPORT

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

8.1 Customer Support

For technical assistance, troubleshooting, or product inquiries, please contact Insta360 customer support through their official website. You can also find FAQs, firmware updates, and additional resources online.

Official Website: www.insta360.com/support

 <p>Insta360 Ace Pro 2 User Manual CO-ENGINEERED WITH LEICA</p> <p>User Manual</p> 	<p><u>Insta360 Ace Pro 2 User Manual - Comprehensive Guide</u></p> <p>Detailed user manual for the Insta360 Ace Pro 2 camera, covering setup, features, accessories, maintenance, and troubleshooting. Learn how to use your Insta360 Ace Pro 2 effectively.</p>
 <p>Insta360 Ace Pro 2 Benutzer-Handbuch CO-ENGINEERED WITH LEICA</p> <p>Benutzerhandbuch</p> 	<p><u>Insta360 Ace Pro 2 Benutzer-Handbuch: Ihr Leitfaden zur Bedienung und Wartung</u></p> <p>Entdecken Sie das Insta360 Ace Pro 2 Action-Kamera mit diesem umfassenden Benutzerhandbuch. Erfahren Sie mehr über Einrichtung, Funktionen, Zubehör und Pflege für optimale Leistung.</p>
 <p>Insta360 Ace Pro User Manual CO-ENGINEERED WITH LEICA</p> <p>User Manual</p> 	<p><u>Insta360 Ace Pro User Manual: Setup, Features, and Operation Guide</u></p> <p>Comprehensive user manual for the Insta360 Ace Pro action camera. Learn about setup, basic and advanced features, shooting modes, maintenance, and troubleshooting. Co-engineered with Leica.</p>
 <p>Insta360 Ace Pro 2 User Manual CO-ENGINEERED WITH LEICA</p> <p>User Manual</p> 	<p><u>Insta360 Ace Pro 2 User Manual: Setup, Features, and Operation</u></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>
 <p>Insta360 Ace Pro 2 User Manual CO-ENGINEERED WITH LEICA</p> <p>User Manual</p> 	<p><u>Insta360 Ace Pro 2 User Manual - Comprehensive Guide</u></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>
 <p>Insta360 Ace Pro 2 Manuale Utente CO-ENGINEERED WITH LEICA</p> <p>Manuale Utente</p> 	<p><u>Insta360 Ace Pro 2: Manuale Utente Ufficiale</u></p> <p>Guida completa al manuale utente per la videocamera Insta360 Ace Pro 2, co-ingegnerizzata con Leica. Copre installazione, utilizzo, accessori, manutenzione e funzionalità avanzate per ottenere il massimo dalle tue riprese.</p>