



Clifton Cameras Product Specification

Insta360 Ace Pro 2 8K AI Powered Action Camera (updated) Full Spec

Specifications

Sensor Size: 1/1.3"

Lens FOV: 157°

AI Chip: Dual AI Chip: 5nm AI Chip + Pro Imaging Chip

Aperture: F2.6

35mm Equivalent Focal Length: 13mm

Screen: 2.5" Flip Touchscreen | PPI +70%, Brightness +6%

Max. Video Setting: 8K30fps

Max. Photo Setting: 50MP: 8192x6144 (16:9)

Zoom: Video: up to 2.0x Clarity Zoom

Active HDR Video: Max. 4K60fps

Pre-recording: Max 120s

Stabilization:

FlowState: Off / Standard/ High

In-Camera Horizon Lock: 360° / 45°

Waterproof:

Without Dive Case: 39ft (12m)

With Dive Case: 197ft (60m)

Voice Control:

5 commands (English, Japanese, Chinese)

Take a photo, start recording, stop recording, mark that, shutdown camera

Gesture Control:

2 commands

'Palm'/ 'Peace' to start/stop recording or take a photo

Video Modes: Video (with built-in Active HDR), FreeFrame Video, PureVideo, Slow Motion, Timelapse, TimeShift, Loop Recording, Dashcam, Pre-Recording

Photo Modes: Photo, HDR Photo, Interval Photo, Starlapase, Burst Photo

Audio Modes: Wind Reduction, Voice Enhancement, Stereo

Aspect Ratio: 4:3 | 16:9 | 2.35:1

Color Profiles: Standard, Vivid, Leica Vivid, Leica Natural, Portrait, Film, Vintage, Urban, Night **Log Colour:** L-Log

Operating Temperatures: -4°F to 113°F (-20°C to 45°C)

Video & Photo Resolution.

Video Resolution:

Video

**Active HDR available up to 4K60fps.*

8K (16:9): 7680x4320@30/25/24fps

8K (2.35:1): 7680x3272@30/25/24fps

4K (4:3): 4096x3072@60/50/48/30/25/24fps

4K (16:9): 3840x2160@120/100/60/50/48/30/25/24fps 4K (2.35:1): 3840x1632@120/100/60/50/48/30/25/24fps 2.7K

(4:3): 2688x2016@60/50/48/30/25/24fps

2.7K (16:9): 2688x1520@120/100/60/50/48/30/25/24fps

1440p (4:3): 1920x1440@60/50/48/30/25/24fps

1080p (16:9): 1920x1080@240/200/120/100/60/50/48/30/25/24fps



FreeFrame Video

4K (4:3): 4096x3072@60/50/48/30/25/24fps 2.7K (4:3): 2688x2016@60/50/48/30/25/24fps 1440p (4:3): 1920x1440@60/50/48/30/25/24fps

Photo Resolution:

50MP (8192x6144) 36MP (8192x4608) 12.5MP (4096x3072) 9MP (4096x2304)

Battery information

Battery: 1800mAh

Charging Method: Type-C

Charging Time: 47 mins (30W fast charging adapter) / 75 mins (5V/3A) **Run Time:** TBD

Weights & Dimensions

Dimensions (W x H x D) : 71.9x52.2x30.5mm (2.8x2.1x1.2in) **Weight:** 177.7g (6.3oz)