



Clifton Cameras Product Specification

Insta360 One RS 1-Inch Edition

Aperture: F3.2

35mm Equivalent Focal Length: 14.4mm

Photo Resolution: 5312x3552 (3:2), 5312x2988 (16:9)

Video Resolution: 5472x2328 @ 30/25/24fps (under Widescreen Mode)

5312x2988 @ 24/25/30fps

3840x2160 @ 24/25/30/50/60fps

2720x1530 @ 24/25/30/60fps

1920x1080 @ 24/25/30/60/120fps

Photo Format: Jpg,

RAW (dng). (RAW files require software on PC/Mac to export)

Video Format: Mp4 (for files prefixed with "PRO_", please import into app/Studio to adjust aspect ratio and apply Post

FlowState stabilization)

LOG

Photo Modes: Standard, HDR, Interval, Night Shot, Starlapse, Burst, PureShot

Video Modes: Standard Video, Slow Motion, Timelapse, TimeShift, Loop Recording, Widescreen

FlowState (in-camera stabilization)

Post FlowState (in-app stabilization)

Weight: 163g

Dimensions (W x H x D): 78.7 x 55.7 x 47.2mm

Run Time: 84 Minutes

*Tested in lab environment under [5.3K@30fps](#) Post FlowState Mode

Video Bitrate: 100Mbps

Gyroscope: 6-axis Gyroscope

Compatible Devices

iOS Devices: Compatible with iOS mobile devices with chips A11 or above and iOS version 10.0 or above, including iPhone SE 2, iPhone 8, iPhone 8 Plus, iPhone XR, iPhone XS, iPhone XS Max, iPhone X, iPhone 11, iPhone 11 Pro, iPhone 11 Pro Max, iPhone 12, iPhone 12 Pro, iPhone 12 Pro Max, iPhone 12 mini, iPad Air (2020), iPad Pro and newer iPad models.



Android: Compatible with Android mobile devices that meet the following capabilities, including:

- Android devices with Kirin 980 and above chips, including Huawei Mate 20, P30 or newer models.
- Android devices with Snapdragon 845 and above chips, including Samsung Galaxy S9, Xiaomi Mi 8 or newer models.
- Android devices with Exynos 9810 and above chips, including Samsung Galaxy S9, S9+, Note9 and newer models.

Note:

1. Devices that do not meet the above requirements may still be able to use the app to control the camera, however, performance of some processor-intensive and AI-powered features may be sub-optimal.
2. After testing, phones equipped with Qualcomm SDM765 5G chips have poor hardware decoding capabilities and are not supported for use, such as OPPO Reno 3 5G.
3. App installation requires a mobile phone with a 64-bit system. A 32-bit system does not support app installation.

Live Streaming: -

Exposure Value: +4EV

ISO Range: Photo: 100-3200

Video: 100-3200

Shutter Speed: Photo: 1/8000 – 120s

Video: 1/8000 – to the limit of frames per second

White Balance: 2000K-10000K

Audio Modes: Wind Reduction

Directional Enhancement

Stereo

Audio Format: 48 KHz, AAC

Bluetooth: BLE5.0

Wi-Fi: 5G (Standard range of approximately 20 meters, max transmission speed of 20MB/s)

USB: Type-C

*Note: This camera only supports wired connection to Android devices (via Micro-USB or Type-C). It does not support wired connection to iOS devices. Full wireless support is available for both iOS and Android.

MicroSD Card: exFAT formatted microSD cards with the UHS-I bus interface and Video Speed Class V30 rating (exactly this class, neither higher or lower) with a max storage of 1TB are recommended.

Battery Capacity: 1445mAh

Charging Method: Type-C USB

Charging Time : 60 minutes (powered off)



Operating Temperature: -4°F to 104°F (-20°C to 40°C)