

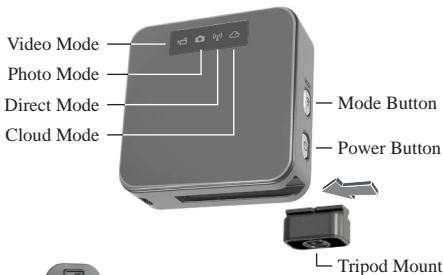
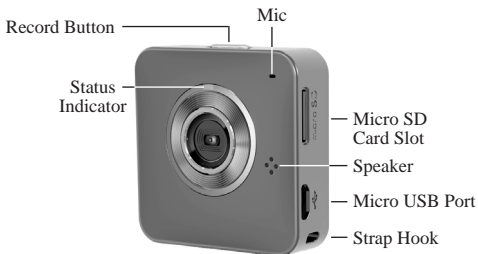


Wireless Camcorder

User Manual



Names of Parts



Getting Started

Charging the Unit

- Before initial use, fully charge the camera via power adapter or USB to computer system.
- During charging, the status indicator flashes in red. When the camera is fully charged, the indicator turns off.

Modes Navigation

- Press Power button to turn on the camera.
- Press Mode button to switch among Video-Direct Mode, Photo-Direct Mode, and Cloud Mode.

Camera Modes

Insert micro SD card (sold separately).

Video Mode

- Press Mode button to select Video Mode.
- Press Record button to shoot and press again to stop.

Photo Mode

- Press Mode button to select Photo Mode.
- Press Record button to take pictures.

Wireless Modes

Before using wireless modes, install below applications:

- Mobile app: Download [ApoEye] from Google Play or Apple Store.
- PC software: Install [PC APP] from the camera (Windows)(page 6).

Direct Mode

Connecting camera to mobile or PC directly for remote controlling, live viewing, album managing, and camera setup.

Cloud Mode

Connecting camera to cloud server via access point (AP) or mobile hotspot for internet video or live monitoring.

Direct Mode (Local)


For initial use, install [ApoEye] app on mobile. Each camera has a unique Camera ID. ( U2-xxxxxxx)




Password is not required for the initial use, however, it is advised to go to [Setup] in app to setup password after connected.

Connect to Camera

For iOS user:

- Set camera to Direct Mode .
- On mobile, go to [Settings] → [Wi-Fi] → Choose a camera.
3G connection will switch to WiFi within 1 min.
- Run [ApoEye].
- Press camera bar to start.

For Android user:









- Set camera to Direct Mode .
- and wait until indicator turns steady green.
- On mobile, activate WiFi.
- Run [ApoEye].
- Press camera bar to start.

iOS:



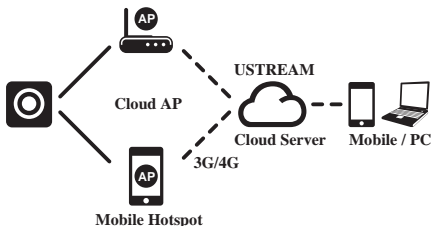
Android:



	Zoom In		Zoom out		Take Photo (SD card required)		Shoot Video (SD card required)
	Invert Image	 Loop Recording • Record and archive in 3 min interval					
	Two Way Voice • Tap to talk to the camera from mobile; tap again to allow the camera to talk back to mobile.	 Quad View • Tap to enable Quad View (up to four cameras). • Tap a live view window to return to single view.					

- Note: 1. Move the camera further away from mobile when echo occurs.
2. Mobiles with low CPU clock speed may not have audio during streaming.

Cloud Mode (Internet)



Recommended Cloud Server for Access:

USTREAM A live broadcasting social media.

Before using Cloud Mode, setting up cloud AP and cloud server on camera are required.


Step 1: Setup Cloud AP in Direct Mode

On mobile, go to app [Setup] → [Cloud Settings] → [Cloud AP]. Select a WiFi network from [AP List]; enter network password when prompted.

If no preferred AP is found, press [Other...] from [AP List] → Enter network name and password.

Note: Mobile hotspot can be set as cloud AP.


Step 2: Setup Cloud Server in Direct Mode

- New user, press  New then enter email/username/password/confirm for auto-registration. Returning user, enter username/password only.
- Press [Save to Camera].


Cloud Mode (Internet)

Step 3: Connect Camera to Cloud Server

Options to connect to cloud server:

1. On mobile, press [Camera to Cloud] in [Setup] page.
2. On camera, set to Cloud Mode .

While connecting, the status indicator flashes rapidly in orange. Once connected, the status indicator flashes in green. If connection fails, the status indicator flashes in red and alerts in different beeping frequencies.

Alert	Cause/Solution
One time	Cannot connect to cloud AP or invalid network password. Camera not inside WiFi area or weak signal. Check AP settings or move camera closer to cloud AP.
Two times	No internet or the cloud server is not accessible. Cannot log in cloud server via internet. Cloud service may be blocked by firewall.
Three times	Cloud server username or password is incorrect. Refer to  in [Setup] for instructions. Username already taken. Create new account in [ApoEye].

Or go into [ApoEye] to view the error message.

Step 4: View Live Videos on Cloud Server

Options to view live videos:

1. Use mobile app: USTREAM is available in Google Play or Apple Store.
2. Visit website: <http://www.ustream.tv>

Then search for username and select "username's show" to watch live video through camera.

Note: 1. Cloud service may change depending on their policy.

2. In some areas, mobile may not activate hotspot where there is no 3G/4G.
3. Experiencing delays while viewing live video may be due to high internet traffic.

PC Applications

To use [ApoEye] features on PC, install [PC APP] first. The [PC APP] has similar features and interface to [ApoEye] for easy user experience.

Installing [PC APP] from Camera

- Connect the camera to PC via a USB cable.
- [PC APP] AutoRun/AutoPlay activates.
- If AutoRun/AutoPlay is not starting:
Go to [My computer] and search [PC APP] for installation.
- Once installed, unplug the camera from PC then run [PC APP].

[PC APP] Features

- Press [View HD] or double-click the viewing window to maximize it into full screen. Double-click again to return to the [PC APP] interface.
- To save videos or photos to PC:
Go to [Album] → Select videos or photos → Press [Save to PC].



Mass Storage and Webcam Modes

While camera is plugged in to PC, press Mode button on camera to switch between Mass Storage Mode (default) and Webcam Mode. The status indicator shows steady red in Mass Storage Mode and steady green in Webcam Mode (In Skype or QQ, select "UVC_WEBCAM").

Camera Indication

Condition	Status Indicator	Alert
Recording	Flashing green	One time
Loop Recording	Flashing orange	One time
Charging	Flashing red	None
Fully Charged	No indication	Two times
Low Battery	Flashing red every 5 sec. (Warning)	Five times (Shutdown)
Power Off	No indication	Two times
Auto Power Off (5 mins idle)	Flashing red	Two times
Memory Full SD Card Error	Flashing red	Three times

Camera Hotkey	
Forced Shutdown	Press and hold Power button for 5 sec. to turn off camera.
Forced Default Settings	Press and hold Mode and Record buttons for 5 sec. to restore default settings.
Car Camcorder	Press and hold Record button for 3 sec. to start loop recording and invert image.

Troubleshooting

Situation	Cause/Solution
Camera cannot turn on	Battery power is low. Recharge the battery.
Camera is frozen	Press Power button for 5 sec. to turn off. Press Power button twice to turn on.
Camera cannot record	No SD card or SD card is full. SD card cannot be recognized. Format SD card in [ApoEye] or replace SD card.
Camera not found	Turn on camera, switch to Direct Mode. Press "Refresh" on mobile or PC to scan again.
Forgot camera password	Press both Mode and Record buttons for 5 sec. to reset.
Cannot watch live view	Move camera closer to mobile.
Flickering segments on live view	TV system setting (50Hz/60Hz) is incorrect.

FCC Regulations

§ 15.19 (a)(3)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

§ 15.21

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 (b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Information (SAR)

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit adopted by the FCC is 1.6W/kg for an uncontrolled environment. Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines.

Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

NCC

警語第十二條：

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更通原計之特性及功能。

第十四條：

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。



WEEE Directive & Product Disposal

At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronics equipment, or returned to the supplier for disposal.

Internal/Supplied Batteries

This symbol on the battery indicates that the battery is to be collected separately. This battery is designed for separate collection at an appropriate collection point.

Manufacturer:

CARRY TECHNOLOGY CO., LTD.

www.apotop.com.tw

4F., No.119, Jiankang Rd., Zhonghe Dist.,
New Taipei City 235, Taiwan (R.O.C)