Air / Wing

+ Please visit our website to download our multi-language manual
 www.isawcam.com

ENGLISH / ESPAÑOL / FRANÇAIS / DEUTSCH
PORTUGUÊS / РУССКИЙ / ITALIANO
한국어 / 中国 / 日本

V106

isaw
Free your action!

1. Name of parts

Setup button
Press this button to enter/exit the setup menu
Press this button to browse the setup menu

Internal MIC

LED

LED

Power On/Off
Press this button and hold for 2 seconds to
turn on or turn off the camera

Recording On/Off
Press this button to take photo or
to start or stop recording

Select menu in setup mode On/Off
In the setup menu, press this button to
confirm the selected menu

Mode button
Press this button to change camera mode
Press this button to browse the setup categorymenu
Mode changes as Video Mode ▶ Photo Mode ▶ Playback mode in turn

WiFi On/Off
Press this button and hold for 2 seconds to turn on or turn off the WiFi

Speaker

LCD

LED

HDTV OUT

USB

Micro SD slot

+ The blue LED is on when the battery is charging.

2. LCD icons

No.	Function	Description
1	Mode	Shows the current shooting mode (video or photo)
2	WiFi	Shows the WiFi connection status
3	Memory capacity	Shows the usable memory capacity in percentage (%)
4	Battery	Shows the battery capacity status option
5	Resolution	While shooting videos or photos, it shows the current recording resolution
6	Shooting mode	While shooting videos or photos, it shows the current shooting mode
7	Recording Time	While shooting videos or photos, it shows the current recording time

3. Start the camera

1) Open the battery cover and insert an ISAW Li-ion battery.
2) Insert a SD card into the SD card slot.
3) Press the power button and hold 2 seconds.
4) The camera turns on and the LCD monitor shows the camera image.
5) Mode changes as
 (Video mode ▶ Photo mode ▶ Playback mode ▶ Video mode) in turn.

4. Video recording

- While the camera is on, press REC to start recording videos as per the established settings.
- When the camera starts to record, the LED blinks and the LCD displays the recording time.
- Press REC again to stop the recording.
- You can choose various resolutions and recording options in the Video section of the User
 setting menu section (see 7. User setup menu)

5. Photo shoot

- While the camera is on, press MODE to change to photo camera mode.
- Press REC to take a photo.
- You can choose various photo sizes and capture options in the Photo section of the User
 setting menu section (see 7. User setup menu)
- In time-lapse mode press REC to start the time-lapse and REC again to stop it.

6. Playback mode

- Press MODE hold to change to playback mode
- You can view recorded videos or photos through the LCD screen of the camera.
 1. In playback mode, press SETUP to choose a file to view.
 2. Press REC to view the file.
 3. While the file is playing you can use the control panel by pressing:

Button	MODE(2s)	REC.	SETUP	SETUP (2s)	MODE
Control	◀◀	▶ ▌▌	▶▶	🗑	↩

7. User setup menu

- You can select basic settings and detailed setting options through the user setup menu.
 1. Press SETUP to enter the user setup menu.
 2. User setup menu is divided into four categories (video, photo, My Tune, settings)
 3. Press and hold MODE to move category.
 4. Press SETUP and MODE to browse that category.
 5. Press REC to select and confirm the setting option within the sub-menu.

Function	Sub menu	Description
Video		
	Resolution	1080P 1920 x 1080 30fps
		960P 1280 x 960 30fps
		720P 1280 x 720 60fps
		720P 1280 x 720 30fps
	Time lapse	Time lapse 1s, 2s, 3s, 5s, 10s, 15s, 30s. Take pictures at the selected interval to create an accelerated video.
	Loop Rec.	Loop 1m, 3m, 5m
	Auto start	On / Off. If ON, starts to record after the selected time when the camera is switched on (1s, 5s, 10s)
	Mic	On / Off. If ON, sound will be captured and added to the video recording.
	Color filters	Shoot in Vivid colors, Natural colors, Sepia filter, Black &White
	Time Stamp	On / Off

Function	Sub menu	Description
Photo		
	Resolution	12M 4608 x 2592 16:9
		8.5M 3840 x 2160 16:9
		7.3M 3648 x 2048 16:9
		5M 3072 x 1728 16:9
		3M 2304 x 1296 16:9
		2M 1920 x 1080 16:9
	Capture options	Manual
		Time lapse 3s, 5s, 10s, 15s, 30s, 60s Take pictures at the selected interval to create an accelerated video.
		Burst : Take 10 photos with a single press of the button
	Self timer	Delays the photo by the selected time: 2s, 10s.
	Color filters	Shoot in Vivid colors, Natural colors, Sepia filter, Black &White
	Time Stamp	On / Off

Function	Sub menu	Description
My Tune		
	My Tune	When turned on, below settings will be restored to their last value. Turn off to set to auto.
	Sharpness	Strong, Normal, Soft
	Exposure	+2, +1.7, +1.3, +1, +0.7, +0.3, 0, -0.3, -0.7, -1, -1.3, -1.7, -2 Set the correction of the exposure
	ISO	ISO 50, 100, 200, 400, 800, 1600
	AE Metering	center, average, spot
	White balance	Set the white balance to a different type of light Auto, Daylight, Cloudy, Tungsten lamp, Fluorescent lamp
Settings		
	WDR	On /Off
	Mirror Flip	On /Off (Flips the image vertically)
	Power off	Off / 3m / 5m / 10m
	LCD off	Off / 1m / 5m / 10m
	LED	On /Off
	Beep	On /Off
	TV	Choose frequency PAL (50Hz) or NTSC (60hz)
	Delete all	Cancel / Confirm (Delete files under 'DCIM' folder only)
	Format	Cancel / Confirm (Delete all files and format SD card)
	Default	Cancel / Confirm
	Time	Set the current time (YYMMDDHHMM)
	Language	English, French, Spanish, German
	Information	Shows the current S/W version

NB : New settings and parameters are added via updates of the firmware. Make sure to use the latest firware for an optimal experience.
Check www.isawcam.com for the latest firmware updates.
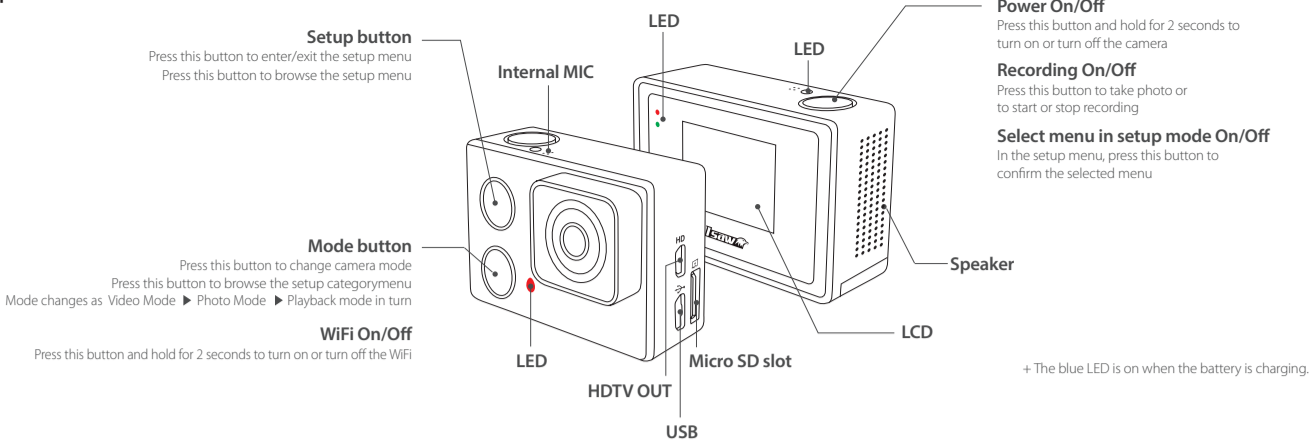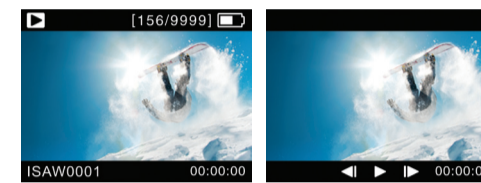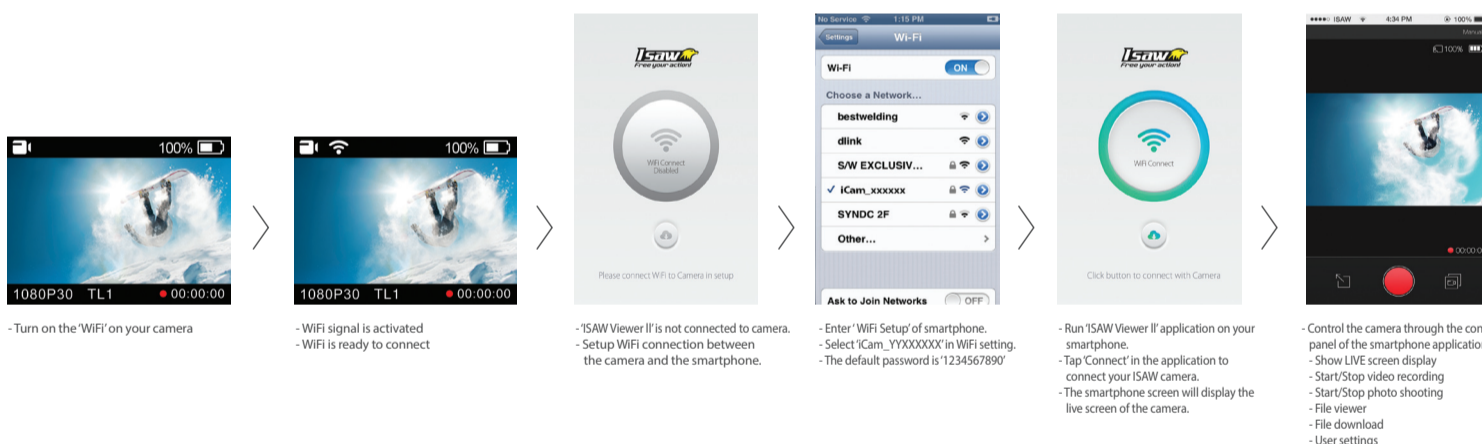
8. Recharging the battery

- The LCD will flash the low battery icon when the battery is too low and almost depleted.
- The camera will save the file, if it is recording, and then turn off.
 Then, you must recharge your battery.
- It will take about 150 minutes to fully charge the battery via USB.
- You can use an AC charging adapter (optional accessory) for a quicker recharge.
 1. Turn off the camera.
 2. Connect the camera USB port to your computer via USB cable.
 3. The blue LED will be on and the battery will start recharging.
 4. The LED will be off when the battery is fully charged.

9. Smartphone control

With the WiFi function of ISAW Cameras, you can control the camera with your smartphone.
- Compatible with iOS ver. 6.0 or higher, Android OS Jelly Bean or higher.
- Before you connect the camera, download the 'ISAW Viewer II' application on your smartphone.
- Search for 'ISAW VIEWER II' in iPhone App Store or Google Play Store
* While your smartphone is connected to the camera, camera button operation will be disabled.
*'ISAW VIEWER II' will be upgraded with more features as further updates are released.

10. Connect your ISAW Camera to a smartphone

- Turn on the 'WiFi' on your camera

- WiFi signal is activated
- WiFi is ready to connect

- 'ISAW Viewer II' is not connected to camera.
- Setup WiFi connection between
 the camera and the smartphone.

- Enter ' WiFi Setup' of smartphone.
- Select 'iCam_YYXXXXXX' in WiFi setting.
- The default password is '1234567890'

- Run 'ISAW Viewer II' application on your
 smartphone.
- Tap 'Connect' in the application to
 connect your ISAW camera.
- The smartphone screen will display the
 live screen of the camera.

- Control the camera through the control
 panel of the smartphone application.
 - Show LIVE screen display
 - Start/Stop video recording
 - Start/Stop photo shooting
 - File viewer
 - File download
 - User settings

11. Transferring data to a computer

- If the camera is connected to a computer or an AC adapter while it is powered off,
 the camera starts to recharge the battery.
- If the camera is connected to a computer while it is powered on, the camera
 changes to file-transfer mode.
- While the camera is connected to an AC adapter or a car charger for recharge,
 the camera can record while it is recharging.
 1. Turn on your ISAW Camera.
 2. Connect the camera to a computer via a USB cable.
 3. The camera LCD will display 'USB Ready'.
 4. Go to 'my computer' in the PC.
 5. Locate 'removable disc'.
 6. Double click 'DCIM' folder and search video or photo files.
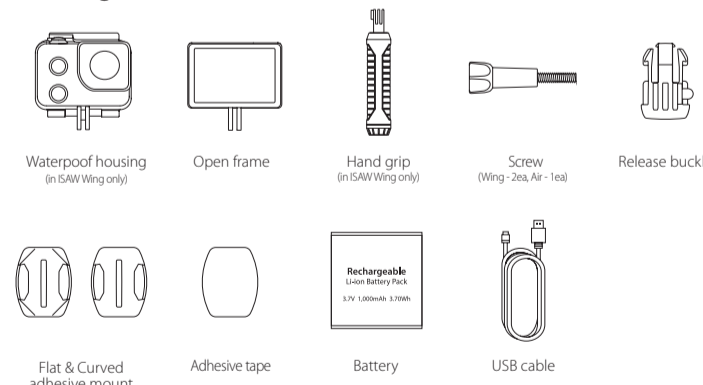
12. Firmware Update (www.isawcam.com)

- You can always find the latest firmware updates of ISAW products on the website.
 www.isawcam.com
- Firmware upgrade may not possible if the battery is too low.
 Recharge the battery up to two third of the gauge for a safer upgrade.
 1. Format the memory card, and copy the firmware file to the root directory of the Micro SD card.
 2. Insert the Micro SD into ISAW Cameras and turn the camera on.
 3. The firmware upgrade will start automatically, and the camera will turn off when upgrade is finished.
 (*Do NOT turn off the device or remove the battery during the firmware upgrade.)

13. Features and specifications

- Super Slim Action camera
- Full HD 1080p 30fps professional video quality
- 40m waterproof housing (Included in Wing only)
- High precision digital CMOS sensor with maximum 12MP photo resolution
- 150° wide-angle field of view
- 1.5" built-in LCD view finder
- Built-in WiFi with enhanced application viewer
- Versatile recording resolution (1080p / 960p / 720p)
- Time lapse video, time lapse photo
- Burst shot photos (max. 10 consecutive photo shots)
- Multi langage menu (Eng, Esp, Fra, Deu)
- Rechargeable Li-ion battery
- Battery running time : max. 100 minutes of continuous recording
 (* recording time may vary, depends on environmental condition.)
- Recharging time : 150 minutes
- Easy graphical user interface in LCD display

14. Package Includes

Waterpoof housing
(in ISAW Wing only)

Open frame

Hand grip
(in ISAW Wing only)

Screw
(Wing - 2ea, Air - 1ea)

Release buckle

Flat & Curved
adhesive mount

Adhesive tape

Battery

USB cable

Rechargeable
Li-ion Battery Pack
3.7V 1,000mAh 3.70Wh