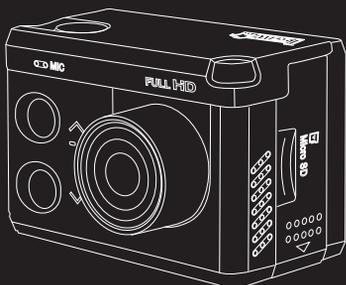


yo! XP1

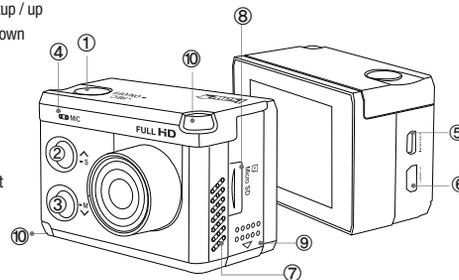
your personal HD camera

USER MANUAL



1. Names of each part

- ① Power / REC. / Select
- ② Setup / Quick setup / up
- ③ Mode / Zoom / Down
- ④ Internal MIC
- ⑤ HDTV Out
- ⑥ USB
- ⑦ Speaker
- ⑧ Micro SD slot
- ⑨ Li-ion battery slot
- ⑩ LED Indicator



2. Operation & button description

- YO! XP1 is operated by three buttons (Button, $\begin{matrix} \text{REC} \\ \text{ON/OFF} \end{matrix}$, $\begin{matrix} \text{UP} \\ \text{DOWN} \end{matrix}$, $\begin{matrix} \text{MODE} \\ \text{ZOOM} \end{matrix}$)
- Button ($\begin{matrix} \text{REC} \\ \text{ON/OFF} \end{matrix}$) means 'POWER / REC. / SELECT'.
- Button ($\begin{matrix} \text{UP} \\ \text{DOWN} \end{matrix}$) means 'SETUP / QUICK SETUP / UP'.
- Button ($\begin{matrix} \text{MODE} \\ \text{ZOOM} \end{matrix}$) means 'MODE / ZOOM / DOWN'.
- The definition of each button is as below table.

Function	Button	Description
Power On / Off	$\begin{matrix} \text{REC} \\ \text{ON/OFF} \end{matrix}$	Press the POWER button and hold for 2 seconds * If Auto Power off is set, the camera will automatically shut down in 3 minutes when there is no operation.
REC Start / Stop	$\begin{matrix} \text{REC} \\ \text{ON/OFF} \end{matrix}$	Press the REC. button to start video recording or photo shoot
Switch Mode	$\begin{matrix} \text{M} \\ \text{DOWN} \end{matrix}$	Press the MODE button and hold for 2 seconds to switch modes (Video, Photo, Playback)
Quick Setup	$\begin{matrix} \text{UP} \\ \text{DOWN} \end{matrix}$	Press the QUICK SETUP button to change quick setup before recording
Enter Quick Setup	$\begin{matrix} \text{REC} \\ \text{ON/OFF} \end{matrix}$	Press the SELECT button to confirm to enter the quick setup menu
User Setup	$\begin{matrix} \text{UP} \\ \text{DOWN} \end{matrix}$	Press the SETUP button and hold for 2 seconds to enter user setup mode
Change setting category	$\begin{matrix} \text{UP} \\ \text{DOWN} \end{matrix}$	Within user setup mode, press UP button to switch category
Enter Quick Setup	$\begin{matrix} \text{M} \\ \text{DOWN} \end{matrix}$	Within user setup mode, press DOWN button to enter setting menu in each category
Confirm setting menu	$\begin{matrix} \text{REC} \\ \text{ON/OFF} \end{matrix}$	Within user setup mode, press SELECT button to confirm setting menu
Zoom Mode	$\begin{matrix} \text{M} \\ \text{DOWN} \end{matrix}$	Press ZOOM button to enter zoom mode
Zoom-in	$\begin{matrix} \text{UP} \\ \text{DOWN} \end{matrix}$	Press UP button to zoom-in (max. 4x enlarge)
Zoom-out	$\begin{matrix} \text{M} \\ \text{DOWN} \end{matrix}$	Press DOWN button to zoom-out Press DOWN button from 1x zoom, to exit from zoom mode

3. Start the camera

1. Open the battery cover and insert ISAW Li-ion battery.
2. Open the battery cover and insert Micro SD card.
(The camera does not record when there is no Micro SD inside)
3. Press the shutter POWER ($\begin{matrix} \text{REC} \\ \text{ON/OFF} \end{matrix}$) button and hold for two seconds.
The camera turns on and LCD monitor shows camera image.

4. LCD screen shot

Video screen



Photo screen



No.	Function	Description
①	Current mode	Shows current shooting mode (video or photo)
②	WiFi	Shows WiFi connection status
③	Zoom	Shows current zoom level
④	Memory capacity	Shows usable memory capacity in percentage (%)
⑤	Battery	Shows battery capacity status
⑥	Recording option	While shooting video or photo, it shows current recording option
⑦	Resolution	While shooting video or photo, it shows resolution and speed
⑧	Image quality	While shooting video or photo, it shows image quality
⑨	WiFi Hotkey	Shows WiFi connectivity (WiFi on/off)

5. Graphical icon description

Mode	Function	Icons	Description
ALL	Current mode		Video Recording Mode
			Photo Shooting Mode
	WiFi		WiFi signal activated
			WiFi signal deactivated
	Zoom		Zoom level (Upto x4) *Zoom function will be disabled during high speed recording (720p 120fps / 480p 240fps)
Memory capacity		Shows usable memory capacity in percentage (%)	
Battery		Shows battery capacity status	
VIDEO	Recording options		Video recording starts and stops by shutter button only.
			Record consecutive videos files of setup time continuously. (1min / 5min / 10min / 30min) Press shutter button to stop.
			Recording automatically stops in setup time.
			Captures each image of setup time and save as video file. (1sec / 3sec / 5sec / 10sec / 30sec) Press shutter button to stop.
	Resolutions		Full HD (1920x1080) 60fps / 30fps video recording
			UXGA (1600x1200) 60fps / 30fps video recording
			Real HD (1280x720) 60fps / 30fps video recording
			Real HD (1280x720) 120fps high speed video recording High speed recording file is played with 1/4 speed slow motion video. * In high speed recording, camera zoom and audio recording will be disabled.
			WVGA (848x480) 240fps high speed video recording High speed recording file is played with 1/8 speed slow motion video. * In high speed recording, camera zoom and audio recording will be disabled.

Mode	Function	Icons	Description
VIDEO	Image quality		Super fine video image quality * Use CLASS10 memory card only
			Fine video image quality
			Normal video image quality
	WiFi Hotkey		Shows WiFi connectivity (WiFi on/off)
Photo	Photo shoot options		Single photo shooting
			Captures each image of setup time and save as photo. (0.5sec / 1sec / 3sec / 5sec / 10sec / 30sec / 60sec) Press shutter REC. button to stop. * In high speed time lapse mode (0.5sec/1sec), use CLASS10 memory only.
			Burst photo shooting (11 photo images per second)
			Self-timer photo
	Image Size		12MP (4000x3000) 4:3 ratio
			8.5MP (3648 x 2432) 3:2 ratio
			7.2MP (3648 x 2052) 16:9 ratio
	Image quality		Super fine photo image quality (* Use CLASS10 memory card only)
			Fine photo image quality
			Normal photo image quality
WiFi Hotkey		Shows WiFi connectivity (WiFi on/off)	

6. Video recording

- After the camera is turned on, press REC. (REC ON/OFF) button to start video recording.
- When the camera starts to record, LED light blinks and shows recording time on LCD.
- Press REC. (REC ON/OFF) button to stop recording.
- Without entering user setting menu, user can select video 'QUICK SETUP' before start recording. (* If 'Auto LED off' option is selected in user setup, LED light will not blink.)

7. Photo shoot

- Press MODE (M) button and hold for two seconds to change to photo camera mode.
- Mode changes as

(video mode → photo mode → playback mode → video mode) in turn.

- Press REC. (REC ON/OFF) button to shoot photo.
- In time lapse photo mode, press REC. (REC ON/OFF) button to stop photo shooting.
- Without entering user setting menu, user can select photo 'QUICK SETUP' before start shooting.

8. Quick setup

- Without entering user setting menu, user can adjust various quick setups in live screen.
 - Press QUICK SETUP () button to select quick setup options on bottom of the screen.
 - Quick setup mode changes as **recording option** → **resolution** → **image quality** → **wifi on/off** → **exit** in turn.
 - Select the quick setup option and press SELECT () button to adjust setting option.
 - In setting option, press UP / DOWN () button to choose setting option.
 - Press SELECT () button to confirm setting option.

Quick setup screen	Operation
	<ul style="list-style-type: none"> Video quick setup screen Press QUICK SETUP () button to go to quick setup Select recording options Use UP / DOWN () button to choose option Press SELECT () to confirm setting option
	<ul style="list-style-type: none"> Video quick setup screen Press QUICK SETUP () button to go to quick setup Select video resolution and recording speed Use UP / DOWN () button to choose option Press SELECT () to confirm setting option
	<ul style="list-style-type: none"> Video quick setup screen Press QUICK SETUP () button to go to quick setup Select image quality Use UP / DOWN () button to choose option Press SELECT () to confirm setting option
	<ul style="list-style-type: none"> Video quick setup screen Press QUICK SETUP () button to go to quick setup Select WiFi connectivity Use UP / DOWN () button to choose option Press SELECT () to confirm setting option
	<ul style="list-style-type: none"> Photo quick setup screen Press QUICK SETUP () button to go to quick setup Select photo shooting option Use UP / DOWN () button to choose option Press SELECT () to confirm setting option
	<ul style="list-style-type: none"> Photo quick setup screen Press QUICK SETUP () button to go to quick setup Select image size Use UP / DOWN () button to choose option Press SELECT () to confirm setting option

9. User setup menu

- User can select basic settings and detailed setting options through user setup menu.
 - Press SETUP () button and hold for 2 seconds to enter user setup menu.
 - User setup menu is divided into four categories (video, photo, effect, settings)
 - Press UP () button to move category.
 - Press DOWN () button to enter the sub-menu.
 - Press SELECT () button to select and confirm setting option within sub-menu.

Function	Sub menu	Description		
		NTSC	PAL	
Video	Resolution	1080p 60fps, 30fps	1080p 50fps, 25fps	
		1200p 60fps, 30fps	1200p 50fps, 25fps	
		720p 120fps, 60fps, 30fps	720p 100fps, 50fps, 25fps	
		480p 240fps	480p 200fps	
	Recording option	Manual	Timer 1min, 5min, 10min, 30min	Multi file REC. 1min, 5min, 10min, 30min (record consecutive video files of setup time)
		Time lapse 1sec, 3sec, 5sec, 10sec, 30sec (captures each image of setup time and save as video file)		
Image quality	Super Fine (*Use CLASS10 memory card only)			
	Fine			
	Normal			
Photo	Recording option	Manual	Time lapse 0.5sec, 1sec, 3sec, 5sec, 10sec, 30sec (captures each image of setup time and save as photo)	
		Burst 11 photo images per second		
		Timer 5sec, 10sec		
	Resolution	12M (4000 x 3000) 4:3		
		8.5M (3648 x 2432) 3:2		
		7.2M (3648 x 2052) 16:9		
Image quality	Super Fine (*Use CLASS10 memory card only)			
	Fine			
Effect	Time stamp	On / Off . Shows current time in recorded file		
		Aqua scene	On / Off . When the camera is shooting underwater, select 'aqua scene on' to give more vivid color images in the scene	
	FOV	Wide lens angle		
		Medium lens angle		
		Narrow lens angle		
Settings	Mic. Volume	Off, 30%, 60%, 100%		
		Buzzer	Buzzer On / Off	
	LED	LED On / Off		
	WiFi	WiFi On / Off		
	TV Out	NTSC / PAL		
	Time	Set current time (YYMMDD:HHMM)		
	Format	Yes / No. Memory card format		
	Default Setting	Yes / No	Turn back all settings to default	
		Auto LCD Off	Yes / No LCD will automatically turn off in 30sec when there is no operation	
	Auto Power Off	Yes / No The camera will automatically turn off in 3min when there is no operation.		
	Info	Shows current firmware version		

10. Playback mode

- Press MODE () button and hold for two seconds to change to playback mode.
 - Mode changes as (**video mode** → **photo mode** → **playback mode** → **video mode**) in turn.
 - User can view recorded video or photo through LCD screen of the camera.
1. In playback mode, press SELECT () button to select the file type to playback (**video** or **photo**)
 2. Thumbnail of recorded file will be displayed.
Press UP / DOWN () button to use control panel, and select the file by pressing SELECT () button.
 3. While the file is playing, you can press UP / DOWN button to use control panel and select the file by pressing SELECT () button.

Playback mode	Operation
	<ul style="list-style-type: none"> • In playback mode, select the file type to playback (video or photo) • Press UP / DOWN (,) button choose file type • Press SELECT () button to select
	<ul style="list-style-type: none"> • Thumbnail of video files. Select the file to play • Press UP / DOWN (,) button to use control panel • Press SELECT () button to select
	<ul style="list-style-type: none"> • Video playback • Press UP / DOWN (,) button to use control panel • Press shutter () button to select
	<ul style="list-style-type: none"> • Thumbnail of photo files. Select the file to display. • Press UP / DOWN (,) button to use control panel • Press shutter () button to select
	<ul style="list-style-type: none"> • Photo playback • Press UP / DOWN (,) button to use control panel • Press SELECT () button to select

11. Recharging battery

- LCD will show the low battery icon when the battery is too low and close to the cut off level.
 - The camera will save the file, if it is recording, and then turn off.
- Then, you must recharge your battery.
- It will take about 3.5 hours for full charging by USB.
 - You can use an AC charging adapter (optional accessory) for quick charging. It will take about 2.5 hour for full charging.
1. Turn off the camera.
 2. Connect the camera USB port to your computer via USB cable.
 3. Status LED will be turned on and battery recharging will be started.
 4. LED will be turned off when it is fully charged.

12. Smartphone control

- Utilizing WiFi function of YO! XP1, user can control the camera through smartphone.
- Compatible with iOS ver. 5.0 or better, Android OS Jelly Bean or better.
- Before connect the camera, download 'Action Cam' application from smartphone app store.
- Search for '**ACTION CAM**' in iPhone App Store or Google Play Store

- * While smartphone is connected to the camera, camera button operation will be disabled.
- * Select all settings of the camera before connect to your smartphone.
- * 'Action Cam' features will be upgraded through application update through your smartphone.

13. Connect YO! XP1 to smartphone (using ISAW Viewer)

- Turn on 'WiFi' function in YO! XP1.
- Wait 1 min to activate WiFi signal in the camera. (For the first time connection)
- WiFi signal is activated.
- WiFi is ready to connect.



- 'Action Cam' is not connected to YO! XP1.
- Setup WiFi connection between the camera and the smartphone.
- Enter 'Setup' of smartphone.
- Select 'iCam_xxxxxx' in WiFi setting.



- Default password is '12345678'

- Run 'Action Cam' application in smartphone.
- Click 'Connect' button in application to connect YO! XP1.
- Smartphone screen will display live screen of the camera.



- Control the camera through the control panel of smartphone application.

- Show LIVE screen display
- Start/Stop video recording
- Start/Stop photo shooting



* While smartphone is connected to the camera, camera button operation will be disabled

* Select all settings of the camera before connect to your smartphone.

* 'ACTION CAM' features will be upgraded through application update through your smartphone.

14. Transferring data to computer (compatible both in Windows & Mac OS)

- If the camera is connected to a computer or 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 a AC adapter or Car charger for recharge, the camera can record while it is recharging.
 1. Power on YO! XP1.
 2. Connect the camera to a computer via USB cable.
 3. The camera LCD will display as 'USB Ready'.
 4. Go to 'my computer' in PC.
 5. Search 'removable disc'.
 6. Double click 'removable disc'.
 7. Double click 'DCIM' folder.
 8. Select 'Video' or 'Photo' folder.
 9. Open the folders to find video or photo file.
 10. Copy and paste files to the computer.

15. Firmware Update (find the latest firmware in www.isawcam.com)

- You can always find the latest firmware updates of YO! products on the website. www.yourpersonalhdcamera.com
- Firmware upgrade may not available if battery is too low. Recharge up to two cells of battery gauge for proper upgrade.
 1. Format the memory card, and copy firmware file to the root directory of Micro SD card.
 2. Insert the Micro SD to YO! XP1 and turn on power.
 3. Firmware upgrade will be automatically started as showing the updating status on the LCD screen.
 4. When upgrade is completed, the camera shows 'F/W Updating 7/7 stage 100%' and automatically turns off.

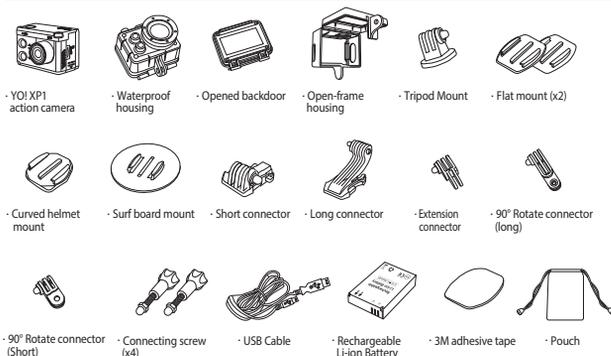
(*Do NOT turn off the device or take out the battery during firmware upgrade.)

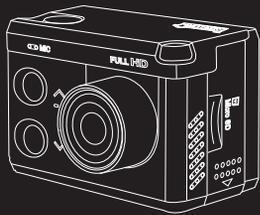


16. Features and specifications

- "YO! XP1" 1080p 60fps Action camera
- FULL HD (1920 x 1080) resolution, 60fps recording
- 60m waterproof housing
- 12M Pixel high precision digital Image CMOS sensor
- 152° wide-angle field of view (FOV)
- Built in 2.0" LCD (320x240)
- Built in WiFi antenna
- Versatile recording resolution (1080p / 1200p / 720p / 480p)
- High speed slow motion recording (720p 120fps / 480p 240fps)
- Maximum 11 burst photo shots per second
- H.264 codec, saved as MP4 format
- Rechargeable Li-ion battery
- Battery running time : max. 120 minutes of continuous recording
(* recording time may vary, depends on environmental condition.)
- Recharging time : 3.5 hours by USB
2.5 hours by AC adapter (Optional Accessory)
- Easy graphical user interface in LCD display
- Full line of mounting accessories

17. Package Includes





yo! XP1

your personal HD camera

www.yourpersonalhdcamera.com