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ACTIVEON
ACTION CAMERA



USER MANUAL



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USER MANUAL

「Please read this manual completely and thoroughly before use!」

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RoHS

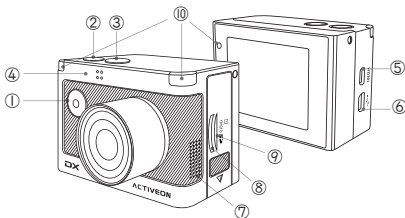
ACTIVEON

ACTION CAMERA



DX






1. Names of each part



- ① Power / REC. / Select
- ② Setup / Quick setup / right
- ③ Mode / Zoom / Left
- ④ Internal MIC
- ⑤ Micro HDMI Port (Cable not included)
- ⑥ Mini USB Port
- ⑦ Speaker
- ⑧ Micro SD Slot (SD Card not included)
- ⑨ Li-ion battery slot
- ⑩ LED Indicator




2. Operation & button description

- ACTIVEON DX is operated by three buttons (Button , SETUP, MODE)
- Button () means 'POWER / REC. / SELECT'.
- Button (SETUP) means 'SETUP / QUICK SETUP / RIGHT'.
- Button (MODE) means 'MODE / ZOOM / LEFT'.
- The definition of each button is as below table.

Function	Button	Description
Power On / Off		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		Press the () button to start video recording or photo shoot
Switch Mode	MODE	Press the (MODE) button and hold for 2 seconds to switch modes (Video, Photo, Playback)
Quick Setup	SETUP	Press the (SETUP) button to change quick setup before recording
Enter Quick Setup		Press the () button to confirm to enter the quick setup menu

Function	Button	Description
User Setup	SETUP	Press the (SETUP) button and hold for 2 seconds to enter user setup mode
Change setting category	SETUP	Within user setup mode, press (SETUP) button to switch category
Enter Setting Menu	MODE	Within user setup mode, press (MODE) button to enter setting menu in each category
Confirm setting menu		Within user setup mode, press () button to confirm setting menu
Zoom Mode	MODE	Press MODE button to enter zoom mode
Zoom-in	SETUP	Press SETUP button to zoom-in (max. 4x enlarge) 1x → 2x → 3x → 4x → 1x

3. Start the camera

1. Open the battery cover and insert ACTIVEON DX 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 () button and hold for two seconds.
The camera turns on and LCD monitor shows camera image.

4. LCD screen shot

Video screen

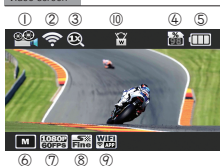
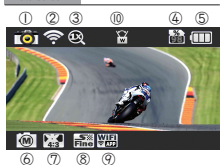























Photo screen



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 OFF/APP/RC/EXIT)
⑩	Field of View (FOV)	Shows the current Field of View (wide/medium/narrow) For photos only use "wide". Use any setting for videos.

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) <small>* Zoom function will be disabled during high speed recording (720p 120fps / 480p 240fps)</small>
	Memory capacity		Shows usable memory capacity in percentage (%)
	Battery		Shows battery capacity status
VIDEO	Recording options		Video recording starts and stops by Shutter REC(⦿) button only.
			Record consecutive videos files of setup time continuously. (1min / 5min / 10min / 30min) - maximum 4GB in each file Press (⦿) button to stop.
			Recording automatically stops in setup time.
			Captures one image in setup time and save as time lapse video file. (1sec / 3sec / 5sec / 10sec / 30sec) Press (⦿) button to stop.
			Loop Mode - When the available space on the memory card gets below 10%, the oldest file on card will be deleted.

Mode	Function	Icons	Description
VIDEO	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. <u>* In high speed recording, camera zoom and audio recording will be disabled.</u>
			WVGA (848x480) 240fps high speed video recording High speed recording file is played with 1/8 speed slow motion video. <u>* In high speed recording, camera zoom and audio recording will be disabled.</u>
	Image quality		Super fine video image quality <u>* Use CLASS10 memory card only</u>
			Fine video image quality
			Normal video image quality
	WiFi Hotkey		Shows WiFi connectivity (WiFi OFF/APP/RC/EXIT)

Mode	Function	Icons	Description
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. <i>* In high speed time lapse mode (0.5sec/1sec), use CLASS10 memory only.</i>
			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 OFF/APP/RC/EXIT)

6. Video recording


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




7. Photo shoot


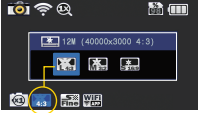
- Press (MODE) button and hold for two seconds to change to photo camera mode.
 - Mode changes as
(video mode → photo mode → playback mode → video mode) in turn.
1. Press (●) button to shoot photo.
 2. In time lapse photo mode, press (●) button to stop photo shooting.
 3. Without entering user setting 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 (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 (⊙) button to adjust setting option.
 - In setting option, press (SETUP) and (MODE) button to choose setting option.
 - Press (⊙) button to confirm setting option.

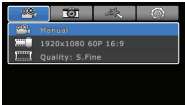
Quick setup screen	Operation
	<ul style="list-style-type: none">Video quick setup screenPress (SETUP) button to go to quick setupSelect recording optionsUse (SETUP) and (MODE) button to choose optionPress (⊙) button to confirm setting option

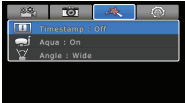
Quick setup screen	Operation
	<ul style="list-style-type: none"> • Video quick setup screen • Press (SETUP) button to go to quick setup • Select video resolution and recording speed • Use (SETUP) and (MODE) button to choose option • Press (⊙) button to confirm setting option
	<ul style="list-style-type: none"> • Video quick setup screen • Press (SETUP) button to go to quick setup • Select image quality • Use (SETUP) and (MODE) button to choose option • Press (⊙) button to confirm setting option
	<ul style="list-style-type: none"> • Video quick setup screen • Press (SETUP) button to go to quick setup • Select WiFi connectivity • Use (SETUP) and (MODE) button to choose option • Press (⊙) button to confirm setting option


Quick setup screen	Operation
	<ul style="list-style-type: none"> • Photo quick setup screen • Press (SETUP) button to go to quick setup • Select photo shooting option • Use (SETUP) and (MODE) button to choose option • Press (⊙) button to confirm setting option
	<ul style="list-style-type: none"> • Photo quick setup screen • Press (SETUP) button to go to quick setup • Select image size • Use (SETUP) and (MODE) button to choose option • Press (⊙) button to confirm setting option

9. User setup menu

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

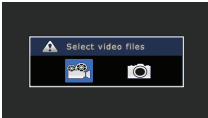
Function	Sub menu	Description	
	Resolution	NTSC	PAL
		1080p 60fps, 30fps	1080p 50fps, 25fps
		1200p 60fps, 30fps	1200p 50fps, 25fps
		720p 120fps, 60fps, 30fps	720p 100fps, 50fps, 25fps
		480p 240fps	480p 200fps
	Recording option	Manual	
		Timer 1 min, 5min, 10min, 30min	
		Time lapse 1sec, 3sec, 5sec, 10sec, 30sec (captures each image of setup time and save as video file)	
		Multi file REC. 1min, 5min, 10min, 30min (record consecutive video files of setup time)	
		Looping	
	Image quality	Super Fine (*Use CLASS10 memory card only)	
		Fine	
		Normal	
	Auto rec	Off / 0sec / 5sec / 10sec	

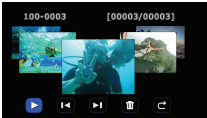

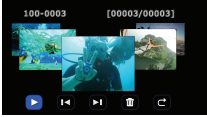
Function	Sub menu	Description
Photo 	Recording option	Manual
		Time lapse 0.5sec, 1sec, 3sec, 5sec, 10sec, 30sec, 60sec (captures each image of setup time and save as photo)
		Burst 11 photo images per second
		Timer 5sec, 10sec
	Resolution	12M (4000 x 3000) 4:3
		8.5M (3648 x 2432) 3:2
		7.2M (3648 x 2052) 16:9
	Image quality	Super Fine (*Use CLASS10 memory card only)
		Fine
		Normal
Effect 	Time stamp	On / Off . Shows current time in recorded file
	Aqua Mode	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
	AE Metering	Center / Average / Spot


Function	Sub menu	Description
Settings	Mic. Volume	Off, 30%, 60%, 100%
	Buzzer	Buzzer On / Off
	LED	LED On / Off
	WiFi	WiFi On / Off
	TV Out	NTSC / PAL
	TV OSD	TV OSD On / Off
	Time	Set current time (YYYY/MM/DD HH:MM)
	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 (⊙) button to select the file type to playback(video or photo)
 2. Thumbnail of recorded file will be displayed.
Press (SETUP) and (MODE) button to use control panel, and select the file by pressing (⊙) button.
 3. While the file is playing, you can press (SETUP) and (MODE) button to use control panel and select the file by pressing (⊙) button.

Playback mode	Operation
	<ul style="list-style-type: none">• In playback mode, select the file type to playback (<u>video</u> or <u>photo</u>)• Press (SETUP) and (MODE) button choose file type• Press (⊙) button to select

Playback mode	Operation
 <p>The image shows a thumbnail view of video files. At the top, it displays '100-0003' and '[000003/000003]'. Below this, there are three video thumbnails: an underwater scene, a diver, and a person on a motorcycle. At the bottom, there are five icons: a play button, a previous button, a next button, a delete button, and a share button.</p>	<ul style="list-style-type: none"> • Thumbnail of video files. Select the file to play • Press (SETUP) and (MODE) button to use control panel • Press (⊙) button to select
 <p>The image shows a video playback screen. At the top, there is a row of control icons: a double left arrow, a left arrow, a right arrow, a double right arrow, a delete icon, a left arrow, and a right arrow. To the right of these icons is a battery level indicator. The main area shows a video of a person on a motorcycle. At the bottom, there is a progress bar with the time '00:00:01' on both ends. A speaker icon is visible on the right side of the video frame.</p>	<ul style="list-style-type: none"> • Video playback • Press (SETUP) and (MODE) button to use control panel • Press (⊙) button to select
 <p>The image shows a thumbnail view of photo files. At the top, it displays '100-0003' and '[000003/000003]'. Below this, there are three photo thumbnails: an underwater scene, a diver, and a person on a motorcycle. At the bottom, there are five icons: a play button, a previous button, a next button, a delete button, and a share button.</p>	<ul style="list-style-type: none"> • Thumbnail of photo files. Select the file to display. • Press (SETUP) and (MODE) button to use control panel • Press (⊙) button to select

Playback mode	Operation
	<ul style="list-style-type: none"> • Photo playback • Press (SETUP) and (MODE) button to use control panel • Press (◉) 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 a Battery Charger (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.

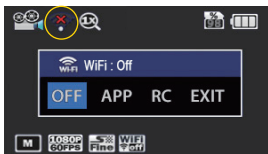
12. Smartphone control

- Utilizing WiFi function of ACTIVEON DX, user can control the camera through smartphone.
- Compatible with iOS ver. 5.0 or better, Android OS Ginger Bread or better.
- Before connect the camera, download 'ACTIVEON APP' application from smartphone app store.
- Search for 'ACTIVEON APP' in iPhone App Store or Google Play Store

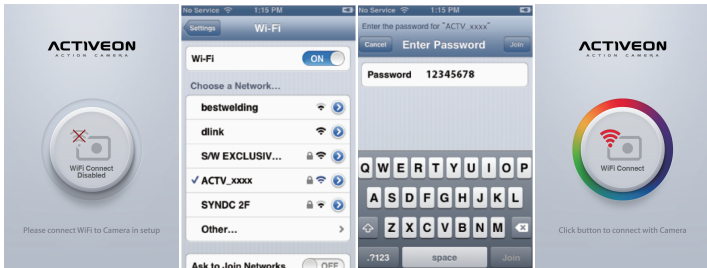
- * While smartphone is connected to the camera, camera button operation will be disabled.
- * Select all settings of the camera before connect to your smartphone.
- * 'ACTIVEON APP' features will be upgraded through application update through your smartphone.

13. Connect ACTIVEON DX to smartphone(using ACTIVEON App)

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

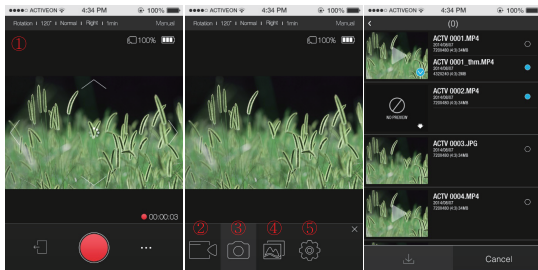


- 'ACTIVEON APP' is not connected to ACTIVEON DX.
- Setup WiFi connection between the camera and the smartphone.
- Enter 'Setup' of smartphone.
- Select 'ACTV_xxxx' in WiFi setting.
- Default password is '12345678'
- Run 'ACTIVEON APP' application in smartphone.
- Click 'Connect' button in application to connect ACTIVEON DX.
- Smartphone screen will display live screen of the camera.



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

① Live screen display	Shows live screen display	④ Viewer mode	Video/Photo viewer Video/Photo download : User can select to download video file size between original size and reduced size. Note: Timelapse or 240fps recording supports only original size.
② Video mode	Start / Stop video recording		
③ Photo mode	Start / Stop photo shooting	⑤ User Settings	Change camera settings



Note:

1. Downloading will be cancelled when telephone rings or application program is closed.
2. While smartphone is connected to the camera, the camera button operation will be disabled.
3. 'ACTMEON APP' features will be upgraded through application update of your smartphone.
4. It does not support "live screen", "preview" and "reduced size file downloading" in timelapse video or recording speeds of 120 fps and up.
5. Live screen does not display when the status of Time Stamp is on in the Setting.

Live Screen / REC. Mode

Mode Select

Viewer Mode

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

- If the camera is connected to a computer or Battery Charger 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 Battery Charger or Car charger for recharge, the camera can record while it is recharging.
-
1. Power on ACTIVEON DX.
 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. Open the folders to find video or photo file.
 9. Copy and paste files to the computer.

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

- You can always find the latest firmware updates of ACTIVEON products on the website.

www.activeon.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 ACTIVEON DX 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

- "ACTIVEON DX" 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 shoots in one 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 Battery Charger (Optional Accessory)
- Easy graphical user interface in LCD display
- Full line of mounting accessories

17. Package Includes

Note: A microSD card is not included with the camera. A high-performance microSD card is recommended for your ACTIVEON camera.



· ACTIVEON-DX



· Waterproof Housing



· Opened Backdoor



· Flat Adhesive Mount



· Curved Adhesive Mount



· Long connector



· Short connector



· 90° Pivot Connector (Short)



· Extension Connector



· 90° Pivot Connector (Long)



· Screw(x3)



· Rechargeable Battery



· USB Cable



· Pouch