muvi™ KX-2

NPNG

User Manual

VCC-009-KX2-NPNG

veho®

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2. Guide to controls
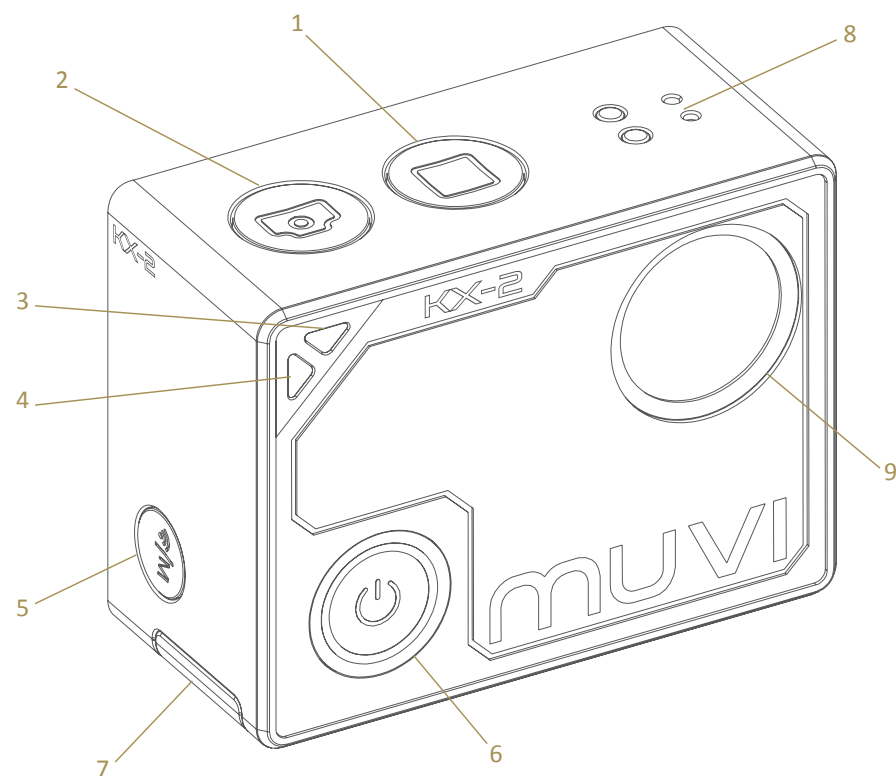
1. Stop Recording Button
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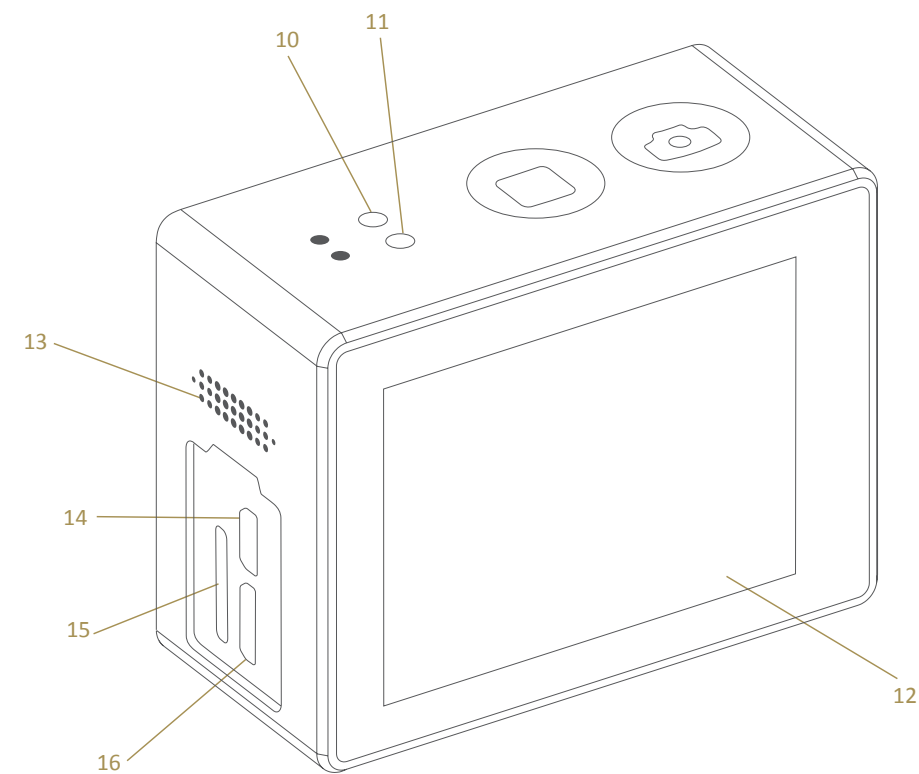
10. Green Indicator Light (L1)
11. Red Indicator Light [L3]
12. Built-in Touch LCD Screen
13. Speaker

14. Micro HDMI Port
15. microSD Card Slot
16. Micro USB Port

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3. Description of LED indicators

Status	Green Light (L1)	Blue Light (L2)	Red Light (L3)
Recording Video	Flashing		Solid
Recording Audio	Flashing		Solid
Taking Photo	Single Flash		Solid
microSD Card Full	Solid		Solid
WiFi On		Flashing	Solid
Charging			Flashing
Power On			Solid
Fully Charged			Solid
Low Battery			Solid
Data transmission			Solid

4. Installing and charging the battery

Slide the battery cover as shown, then insert the battery and close the cover.
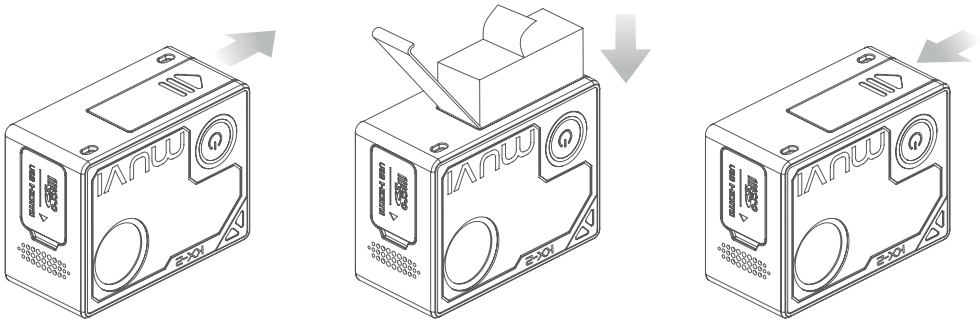
To charge your battery, connect the supplied USB cable to a computer or 5V/2A USB plug.

The **red indicator light (L3)** will flash when charging the battery. When it is fully charged, the light will remain solid.

Battery life - Up to 2 hours, depending on the resolution and framerate used.
Charging time - Up to 2 hours, depending on the charger used.
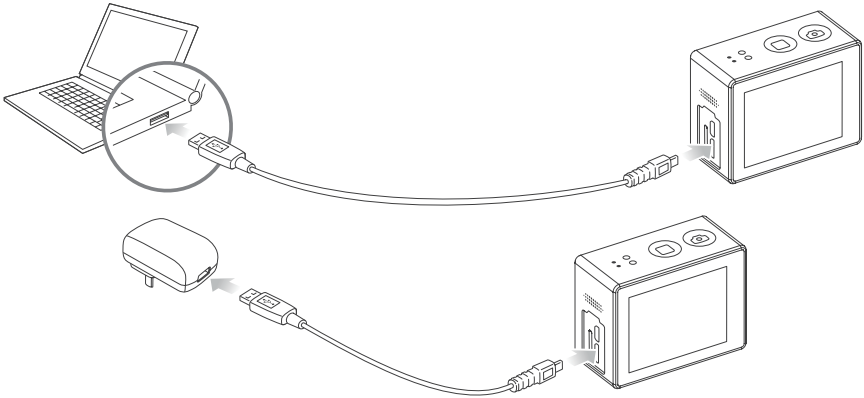
Please note: To prevent damage, to the battery, remove when operating the camera for long periods whilst plugged into a power source.

Inserting a microSD card

When the camera is turned off, slide the microSD card into the microSD card slot with the label facing the front of the camera. When the microSD card is fully inserted, it will click into place.
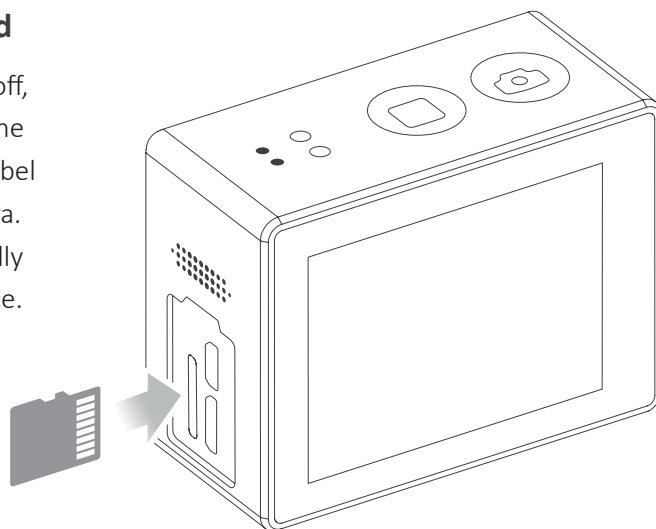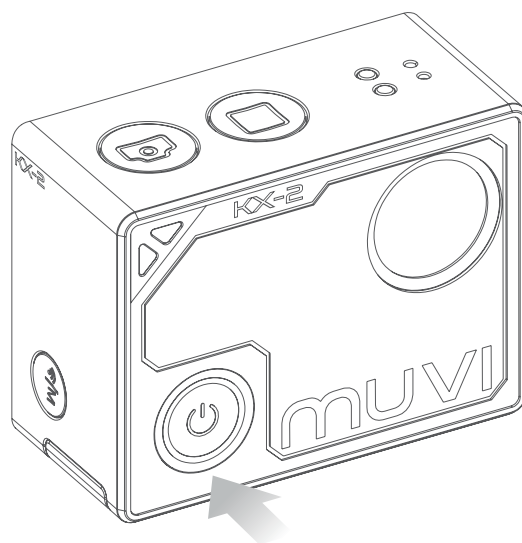
A microSD card with UHS class 3 (U3) speed is recommended.

Turning the camera on/off

Press and hold the power/record button for roughly 3 seconds to turn the camera on or off.

Default View

1. Indicates Modes Selected
2. Record Time
3. Battery Level
4. Video Resolution & Viewing Angle
5. Enter Main Menu
6. Remaining Record Time

1   2   3

● 00:05:35

1080/60 UW Menu   60:00

4   5   6
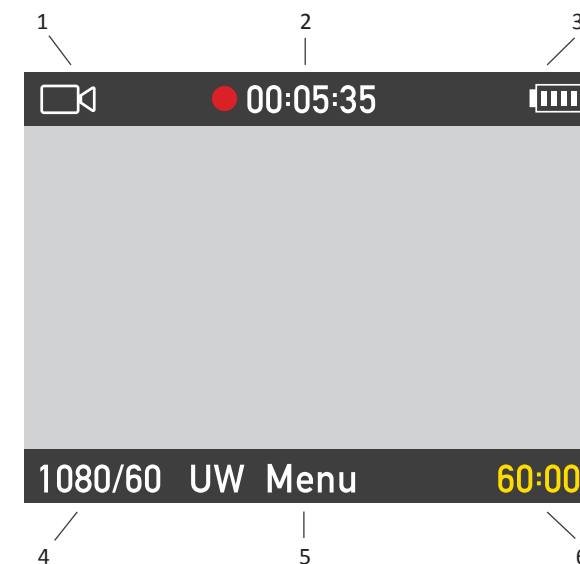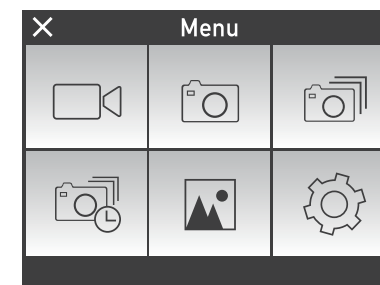
Main Menu

☓ Menu

Tap the "X" in the top left-hand corner to exit main menu.

Tap the Video Icon to enter Video Mode

Tap the Camera Icon to enter Photo Mode

Tap the Burst Icon to enter Burst Photo Mode

Tap the Interval Shooting Icon to enter Interval Shooting Mode

Tap the Library Icon to view photos and videos

Tap the Setting Icon to change settings

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Video Mode

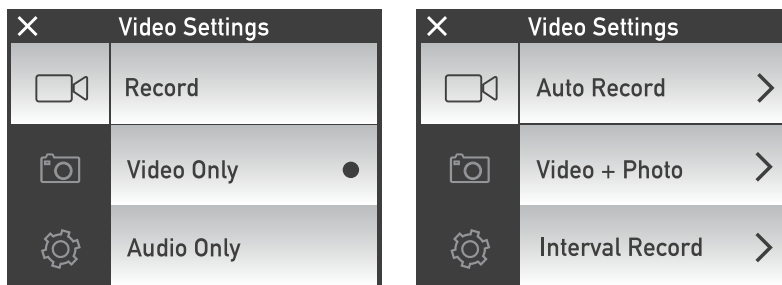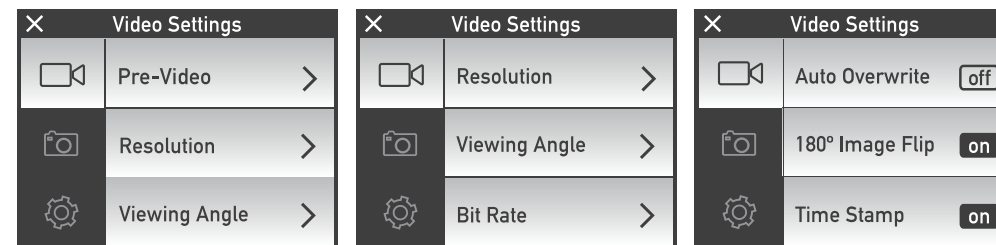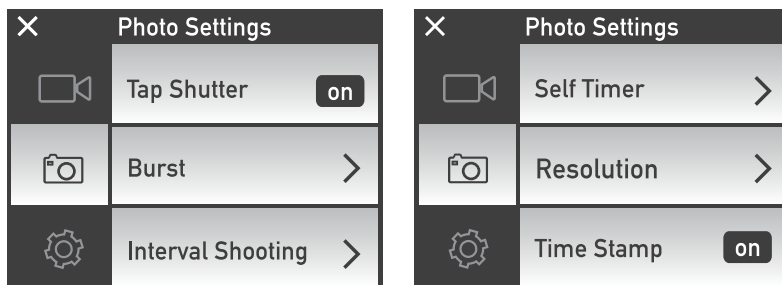| Funcon	Descripon
Video Modes	**Record:** Select to record video with audio
	Video Only: Select to record video only
	Audio Only: Select to record audio only
	Interval Record: Set me for Interval Record - 1s/2s/5s/10s/30s. To take a sequence of frames at set intervals to record changes that take place slowly over me. (Time-lapse)
	Auto Record: Set me for Auto Record - 5s/10s/20s
	Video + Photo: Set me to take photo(s) during video recording Manual/5s/10s/30s/60s

Funcon	Descripon
Pre-Video	In this mode, press the Record Buon to pre-record the video without saving it; press the Record Buon again to record video using the last 10 seconds of pre-recording as the starng part.
Resoluon	**Select Video Resoluon:** 4k@30fps, 1440P@60fps/30fps, 1080P@100fps/60fps/30fps, 960P@60fps, 720P@200fps/120fps/60fps
Viewing Angle	**Select Viewing Angle:** Ultra Wide, Wide, Medium, Narrow
Bit Rate	**Select Bit Rate:** High, Normal
Auto Overwrite	**Turn Auto Overwrite: On/Off** When Auto Overwrite is turned on, it will record over exisng files when microSD card is full
180⁰ Image Flip	**Turn Auto Image Rotaon: On/Off** Turn Auto Image Rotaon on to have the camera automacally adjust right side up when mounted upside down
Time Stamp	**Turn Auto Time Stamp: On/Off** Turn Time Stamp on to show the current day, month, year, and me in the recorded file

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Photo Mode

Photo Settings	
📹	Tap Shutter **on**
📷	Burst ›
⚙	Interval Shooting ›

Photo Settings	
📹	Self Timer ›
📷	Resolution ›
⚙	Time Stamp **on**

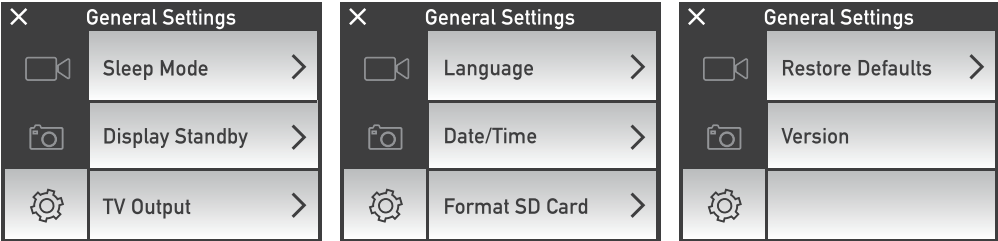| Funcon	Descripon
Photo Modes	**Tap Shutter:** If turned on, tap screen to take a picture
	Burst: Select Burst Mode: 3 photos/1s, 6 photos/1s, 8photos/1s
	Interval Shoong: Sets Frequency for pics to be taken: 1s, 2s, 3s, 5s, 10s, 20s
	Self Timer: Pics will be taken automacally after seng me: 3s, 5s, 10s
Resoluon	**Select Image Resoluon:** 16MP (4608x3456 4:3), 12MP (4000x3000 4:3), 8MP (3200x2400 4:3)
Time Stamp	**Turn Time Stamp: On/Off** Turn Time Stamp on to show the current day, month, year, and me in the file

Sengs Mode

General Settings	
📹	Sound ›
📷	G-Sensor **on**
⚙	WiFi Mode ›

General Settings	
📹	Bluetooth Mode ›
📷	Status Indicator **off**
⚙	Screen Display **on**

Funcon	Descripon
Sound	Turn Sound on to hear beeping indicators
G-Sensor	Turn G-Sensor on to start recording (in video mode) when camera moves. Camera will stop recording when moving stops after 3 minutes.
WiFi Mode	On your mobile device, turn the Wi-Fi on and download the Veho Muvi app from the Google Play or Apple Store. Press and hold the Wi-Fi Buon for 3 seconds to turn on the camera Wi-Fi. Go to Wi-Fi sengs on your mobile device, find and select the Muvi-KX1/2, then enter the password: VehoMuvi. Launch the Veho Muvi app and click on the Camera buon in the app.
Bluetooth Mode	Select search mode to connect with a selfie sck
Status Indicator	Turn on to see camera status funcons
Screen Display	Turn on to see Camera Mode, Record Time, Power Level, Resoluon, Viewing Angle, Menu Buon, and Remaining Record Time.

## Settings Mode

General Settings	General Settings	General Settings
🎥 Sleep Mode 〉	🎥 Language 〉	🎥 Restore Defaults 〉
📷 Display Standby 〉	📷 Date/Time 〉	📷 Version
⚙ TV Output 〉	⚙ Format SD Card 〉	⚙

Function	Description
Sleep Mode	Camera will enter power-saving state when no user activity has been sensed for a certain time: Off, 2 mins, 5 mins, 10 mins.
Display Standby	Display will be automatically turned off when no user activity has been sensed for a certain time: Off, 10 secs, 30 secs, 60 secs.
TV Output	Select PAL or NTSC
Language	Select Traditional Chinese, English (default), German, French, Italian, Spanish, Portuguese, Dutch, Turkish, Russian, Hungarian, Danish, Finnish, Norwegian, Sweden, Greek, Polish, Czech.
Date/Time	Select Date & Time format: M/D/Y H:M, D/M/Y H:M, Y/M/D H:M
Format SD Card	Confirm to delete all files on microSD card
Restore Defaults	Confirm to Restore Factory Settings
Version	Displays software version

Library
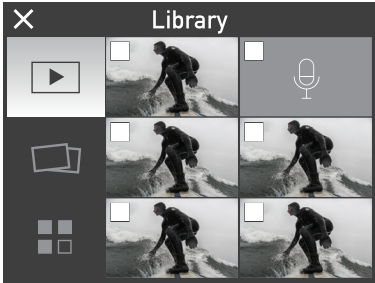
▶	Displays all video & audio files
🖼	Displays all photo files
⬛	Displays all video, audio & photo files
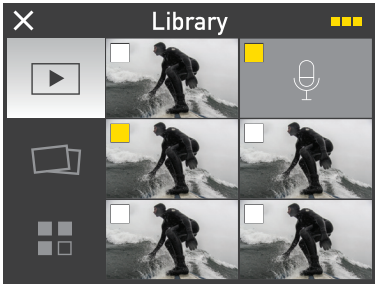
Tap the "X" in the top left-hand corner to exit the library.

Tap on thumbnail to open any file.

Click on the square on the top left-hand corner of the thumbnail to select each file.

After selecting 1 or more files, three yellow option squares (▮▮▮) appear in the top right-hand corner.

Tap on the three yellow option squares (▮▮▮) to delete and lock the files selected.

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8. Viewing and transferring files

9. Using the Wi-Fi app.

Copying files to a computer

1. Connect the Micro USB cable to the camera and a computer, with the microSD card in the camera.

2. Turn the camera on.

3. Go to "My Computer"/"This PC" on Windows or the desktop on Mac OS.

4. Open the SD card folder and copy the files to your computer.

Viewing Photos and Videos on a TV

To playback photos/videos on a TV, check the Muvi is set to the correct mode (PAL/NTSC) and then enter playback mode on the camera. Then connect a HDMI cable to the camera from the TV.

1. On your mobile device, turn the Wi-Fi on and download the Veho Muvi app from the Google Play or Apple Store.

2. Press and hold the Wi-Fi Button for 3 seconds to turn on the camera Wi-Fi.

3. Go to Wi-Fi settings on your mobile device, find and select the Muvi KX-1/KX-2, then enter the **password: VehoMuvi**.

4. Launch the Veho Muvi and click on the Camera button in the app.

Please note: The G-Sensor and Wi-Fi cannot be enabled simultaneously.

10. Specifications

Camera

Lens Angle	140°
Aperture	2.7f
Screen	1.8" Touchscreen integrated

Video

Video Resolution	4k@30fps, 1440P@60fps/30fps, 1080P@100fps/60fps/30fps, 960P@60fps, 720P@200fps/120fps/60fps
Bit Rate	30Mb/s
Video Mode	Record, Video Only, Audio Only, Interval Record, Auto Record, Video + Photo
Auto Record	5s, 10s, 20s
Self Timer	3s, 5s, 10s
Interval Record	1s, 2s, 5s, 10s, 30s

Photo

Photo Resolution	16MP, 12MP, 8MP
Photo Mode	Tap Shutter, Burst, Self Timer, Interval Shooting
Burst Mode	3 photos/1s, 6 photos/1s, 8 photos/1s
Photo & Video	5s, 10s, 30s, 60s or Manual
Self Timer	3s, 5s, 10s
Interval Shooting	1s, 2s, 3s, 5s, 10s, 20s

Power & Battery

|	
Battery	1050mAh
Battery Life	Up to 2 hours, depending on the resolution and framerate used
Charging Time	Up to 2 hours, depending on the charger used

Other

|	
Interface	Micro USB, Micro HDMI, microSD
Memory	microSD card (up to 64GB)
Operating Temperature	-10°C to 50°C
Storage Temperature	-20°C to 60°C
Weight	67g
Dimension	52mm x 26mm x 40mm

Functions

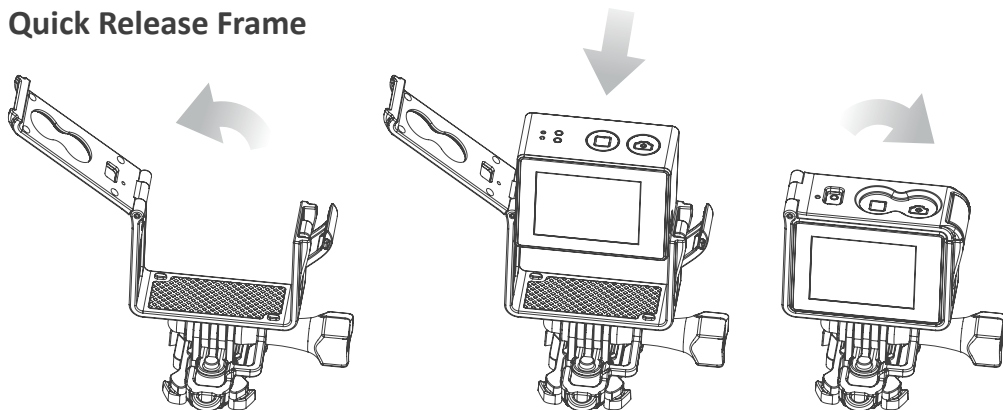|	
Other Functions	Built-In WiFi, Built-In Bluetooth, 4x Digital Zoom, Video Loop, Auto Record, 180° Image Flip, Sleep Mode (2min, 5min, 10min)

Waterproof Case
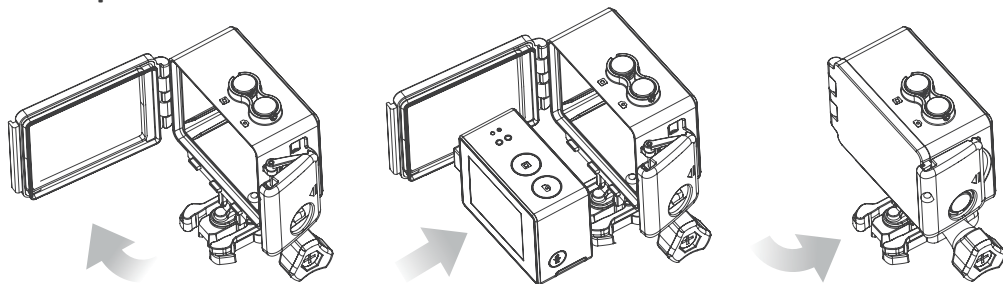
Quick Release Buckle & Thumb Screw
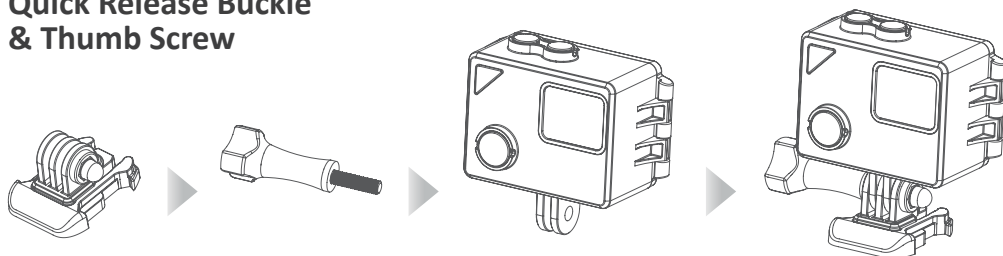
Quick Release Frame

■ Please charge the battery every 3 months to maintain battery life.

■ To view or upload videos/images at the best quality, copy the files to your computer first.

■ If your video files are corrupt, try reformatting the microSD card with the camera. To do this, go into the settings mode, locate the format SD card option and press confirm.

■ It is normal for the camera to become warm during use, the camera will turn off automatically it if overheats.

■ Turn off the camera before inserting the microSD card.

■ While it is possible to use the camera while the battery is charging, you run the risk of shortening the battery life and damaging it.

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Other Veho Products

Muvi Chest Harness Mount
VCC-A016-HSM

**Pebble Endurance 15,000mAh
Portable Power Bank**
VPP-008-E

Muvi Universal Pole/Bar Mount
VCC-A017-UPM

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NO GLORY.™

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