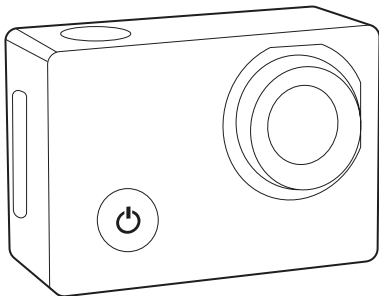




NATIONAL
GEOGRAPHIC

80-83002
EN



4K ACTION CAMERA WITH WIFI

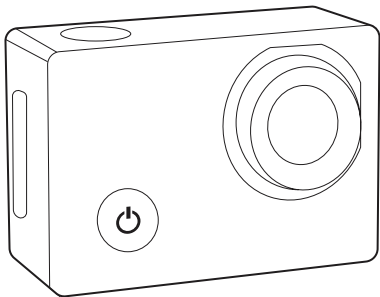
INSTRUCTION MANUAL



WARNING:

CHOKING HAZARD – Small parts. Not for children under 3 years.





This product is a high-definition digital motion video recording device tailored to market demand. It has a variety of industry-leading features including video recording, photo shooting, audio recording, video display and rechargeable battery, which makes it perfect for vehicle data recording, photo-shooting, outdoor sports, deep-water probing.

About this Instruction Manual



Please read the safety instructions and the operating instructions carefully before use. Keep these instructions for renewed use at a later date. When the device is sold or given to someone else, the instruction manual must be provided to the new owner/user of the product.

Read these safety instructions before using your device and store them for possible future reference. This product is intended only for private use. It was developed as an electronic medium for the use of multimedia services.

Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Store the device in cool, dry and dust-proof places.
- 6) Do not use this apparatus near water unless the unit is securely enclosed in the waterproof housing.
- 7) Clean only with dry cloth.
- 8) Never touch the lens surface with your fingers.
- 9) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 10) Never point the camera lens directly at the Sun. Doing so may damage the image sensor.
- 11) Do not place or store the device near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 12) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 13) The charging cord should always be readily accessible.
- 14) While it is charging, keep the product and the power cord out of the reach of children to prevent accidental suffocation or electric shock.
- 15) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

- 16) In case of overheating, smoke, or unpleasant smell in the process of charging, unplug your device immediately to prevent a fire.
- 17) If the charging cord is damaged, have it repaired by the manufacturer, its service or a similarly qualified person in order to avoid any hazard.
- 18) Replacing the battery incorrectly or with a battery that is not the same type or its equivalent could result in an explosion.
- 19) The battery should not be exposed to excessive heat such as sunlight, fire or any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 20) The battery must be installed according to the polarity.
- 21) The battery must be disposed of safely. Always use the collection bins provided (check with your dealer) to protect the environment.
- 22) Non-rechargeable batteries are not to be recharged.
- 23) Rechargeable batteries must be removed from the unit before being charged, and should only be charged under adult supervision.
- 24) Do not short-circuit the supply terminals.
- 25) Only use attachments/accessories specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 26) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 27) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 28) Do not expose the unit to strong magnetic objects or strong radio waves. Strong magnetic fields may cause product malfunctions or damage to images and sounds.
- 29) If the unit has not been operated in a long time, check whether the camera operates normally or not before using the camera again.
- 30) Always backup or download any data from any memory card before reusing. It is recommended that you test any memory card to make sure it is properly storing the data before any imaging session.
- 31) Please choose branded Micro SD card. Neutral cards are not guaranteed to work normally.
- 32) Do not place Micro SD card near strong magnetic objects to avoid data loss.

General Warnings

- **Risk of choking!** — Keep packaging material, like plastic bags and rubber bands, out of the reach of children, as these materials pose a choking hazard. This product contains small parts that could be swallowed by children.
- **Leaking battery acid can lead to chemical burns!** Avoid contact of battery acid with skin, eyes and mucous membranes. In the event of contact, rinse the affected region immediately with a plenty of water and seek medical attention.
- **Risk of electric shock!** — Never bend, pinch or pull the power and connecting cables, extensions and adapters. Protect the cables from sharp edges and heat. Before operating, check the device, cables and connections for damage. Never use a damaged unit or a unit with damaged power cables. Damaged parts must be exchanged immediately by an authorized service centre.
- **Risk of property damage!** — Do not disassemble the device. In the event of a defect, please contact your dealer. The dealer will contact the Service Centre and can send the device in to be repaired, if necessary.
- **Do not expose the device to high temperatures!** Use only the supplied power adapter. Do not short-circuit the device or throw it into a fire. Excessive heat or improper handling could trigger a short-circuit, a fire or an explosion.
- **Do not interrupt an ongoing data connection to a computer before all data has been transferred!** This could lead to data loss for which the manufacturer is not liable.

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.

Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.

Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.

A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

Notes on Cleaning

Turn off the camera. Clean the eyepieces and/or lenses only with a soft, lint-free cloth, (e.g. microfibre cloth). To avoid scratching the lenses, use only gentle pressure with the cleaning cloth. Only use a dry cloth to clean the exterior of the device. To avoid damaging the electronics, do not use any cleaning fluid. Clean the protective case after each use with clear, clean water and dry it thoroughly.

Disposal



Dispose of the packaging materials properly, according to their type, such as paper or cardboard. Contact your local waste-disposal service or environmental authority for information on the proper disposal.



The integrated battery must only be removed for disposal. Opening the device housing can damage the unit. Drain the battery completely before disposal. Remove all the screws in the housing and open the device housing. Remove the connections to the battery and remove it. Cover the open contacts with tape and package the battery in such a way that it cannot shift in the packaging.



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

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.

FCC SAR statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. The portable device is designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA). These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body. The device has been tested for uses against the head and body-worn operations, with 5mm separation in Specific Absorption Rate (SAR) testing.

Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

Unique Identifier

Trade Name: Explore One

Model No.: 80-83002

Responsible Party – U.S. Contact Information

US Company Name: Explore Scientific, LLC.

Address: 1010 S. 48th Street, AR, 72762

Telephone number or internet contact information: 866.252.3811

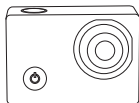
FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

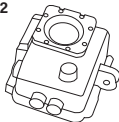
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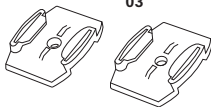
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02



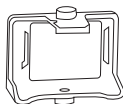
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04



05



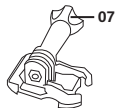
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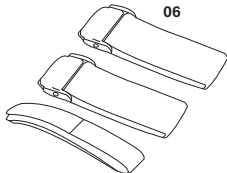
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10



06



- 01** 4K Camera
- 02** Waterproof Case
- 03** Flat Adhesive Mounts
- 04** Handle Bar/Pole Mount
- 05** Frame Housing Mount
- 06** Straps
- 07** Long Thumb Screw
- 08** Quick Release Buckle
- 09** Pivot Mounts
- 10** Short Thumb Screw
- 11** USB Cable
- 12** MicroFlash Card and Adapter

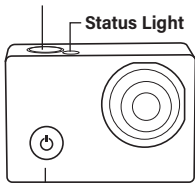
INSTRUCTIONS

Product Features

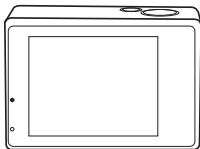
1. A waterproof casing that allows you to film fascinating water sports; waterproof up to 30 metres under water
2. 2 in (50.8mm) screen that displays and replays fascinating videos recorded.
3. Support storage cards up to 64GB maximum.
4. WiFi latest remote control technology, smart device application can control camera and download videos and photos.
5. Multiple video recording formats: 4K/2.7K/1080P/720P
6. 140° wide-angle lens.

Shutter/Select Button

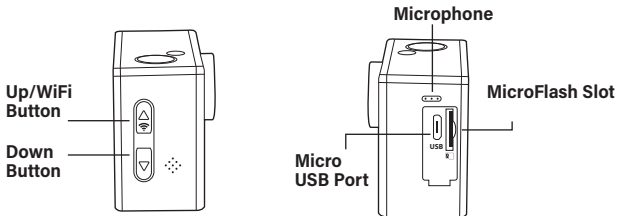
Status Light



Power/Mode Button



**Charging
Status Light**



Operating

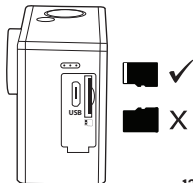
1. Inserting MicroFlash card

Note: For best performance, please choose a branded MicroFlash card and format it on your computer before use. No-name cards are not guaranteed to work flawlessly.

Insert a MicroFlash card with the label facing the screen.

Use brand name memory cards that meet these requirements:

- a) microSD, microSDHC
- b) Class 10 speed rating
- c) MicroFlash Card up to 64GB



INSTRUCTIONS

2. Charging

- A. Connected to a computer or power adapter via USB cable for charging.
- B. Charging of the action camera can be done even when it's powered off.
- C. When it is charging, the red indicator light will glow, and when charging is complete, it will turn off.

3. Turning camera on and off

Press and hold the power switch for three to five seconds to turn the camera on or off.

4. Mode Switching

- A. Press the **[Power On-Off / mode]** button [] repeatedly to cycle through the camera modes.

Camera mode	Description	
	Video recording mode	Video recording/Slow motion
	Photo shooting mode	Self timer/Burst Photos/Auto
	Play back mode	Playback Video and Photo
	Settings	Adjust all camera settings

5. How to record videos and configure recording setting

5.1. Video Recording

Turn the camera on. You will start with the video recording mode. Insert a MicroFlash card and start recording by pressing "OK". Press "OK" again if you want to stop the recording.

5.2. Photo shooting

Switch to photo shooting mode by pressing []. Press "OK" to take photos.

5.3 Slow Motion

1. From the menu, open video settings. 2. Select the slow motion option. 3. Select the "720P 120" or "1080P 60" option. The camera will now take video at 120 or 60 frames per second and play it back at 30 frames per second.

5.4 Playback

1. Verify the camera is in the playback menu. 2. Press the "UP" or "DOWN" button to select a file. 3. Press the "OK" button to play the selected video. 4. Long press the "OK" button, a prompt appears asking, "Delete this file?". You can delete files here.

5.5. Setting

Switch to setting mode by pressing []. There will be an  icon in the center. Press "OK," "UP," or "DOWN" button to set.

5.6. File Storage and Play back

The USB cable is for charging camera only.

Take the MicroFlash card out of the camera and access the images on a computer with a card reader for play back and storage.

INSTRUCTIONS

6. Connecting to WiFi

To connect the camera to an Android or Apple iOS smart device follow these steps:

1. Download the **XDV** app from the application store on your smart device and install it.
2. Turn on the camera and press the WiFi button on the side of the device. The WiFi logo will appear on the screen.
3. Using your smart device's WiFi settings, locate the camera's WiFi connection. It will appear as **SSID: EXPLOREONE** followed by the camera's serial number. The default password will be a random 10 digit number shown on the camera's screen.
4. Once connected, the **XDV** app can be used to view images in real time. It can also be used to control the camera's video functions, take photos and download content directly to your device.

Please Note: Instructions for viewing and saving videos on mobile phones.

Video on the XDV app can be saved directly to your phone.



WiFi signal not stable?

WiFi signal susceptible to interference, make sure the phone is not held too far away from the camera to prevent loss of signal.

Unable to connect to WiFi?

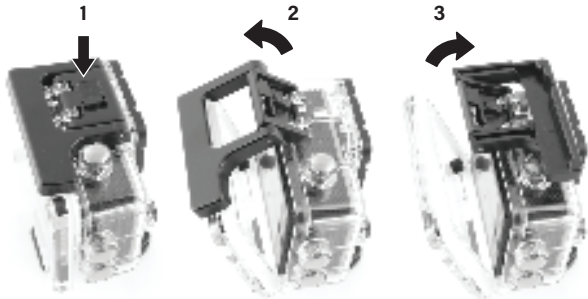
First, make sure your smart device's WiFi is turned on. Press the power button on the camera and press the WiFi button on the side of the device. The WiFi logo will appear on the screen. If no connection, it is recommended to power off and power on both the camera and your smart device and repeat the steps. Also check for any app updates.

INSTRUCTIONS

How to Open and Close the Waterproof Case

How to Open:

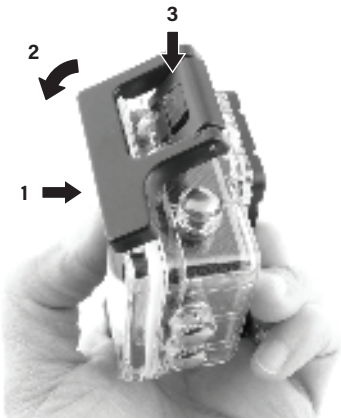
Press and hold down the ▼ switch (1) and then use the ◀ arrow (2) to open the clamp (3).



How to Close:

Press the case door all the way down (1) and then snap the clamp to the hinge (2).

Now, simply press the clamp down (3) to close.



INSTRUCTIONS

Base Mount Example



4K Camera



Waterproof Case



Quick Release Buckle



Flat Adhesive Mount



4K Camera



Frame Housing Mount



Pivot Mount



Quick Release Buckle



Flat Adhesive Mount

Helmet Mount Example



4K Camera



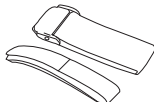
Waterproof Case



Quick Release Buckle



Flat Adhesive Mount



Straps



4K Camera



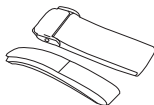
Frame Housing Mount



Quick Release Buckle



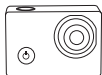
Flat Adhesive Mount



Straps

INSTRUCTIONS

Pole/Bicycle Mount Example



4K Camera



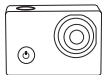
Waterproof Case



Pivot Mount



Handle Bar/
Pole Mount



4K Camera



Frame
Housing Mount



Pivot
Mounts



Handle Bar/
Pole Mount

INSTRUCTIONS

Technical Data

Display	2.0 (50.8 mm) inch display
Lens	140° wide angle
Waterproof case	Up to 30 m (100 ft)
Language options	English/Traditional Chinese/Simplified Chinese/Russian/Portuguese/Spanish/Japanese/German/French/Polish/Italian
Resolution of photos	20 M(by interpolation) 16 M(by interpolation) 12 M(by interpolation) 8 M 5 M
Resolution of videos	4K @ 30FPS (by interpolation) 2.7K @ 30FPS (by interpolation) 1080p @ 60FPS 1080p @ 30FPS 720p @ 120FPS 720p @ 60FPS

Video format	MP4
Video compression format	H.264
Storage	Micro Flash card up to 64 GB
Shooting mode	Self-timer (3s/5s/10s/20s) Auto(3s/10s/15s/20s/30s) Burst Photo(3P/S, 5P/S, 10P/S)
Frequency of optical source	50Hz/60Hz
USB interface	USB 2.0
Rated voltage	DC 5 V  1 A
Battery capacity	Li-ion 3.7V  750 mAh
Recording time	About 90 minutes (at 4K)
Charging time	About 3-4 hours
Dimensions	2.33 x 1.62 x 1.19 in. (59.3 x 41.1 x 30.2 mm)
Operating system	Windows/Linux/Unix/Win7/Mac OS
WiFi Function	Yes

Note: Specifications could be subject to change due to upgrading or updating.
Please regard the actual product as the standard.



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