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ACTION CAMERA
Quick Start Guide

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Safety precautions

1. Please don't disassemble the camera. Only authorized technical staff can made the repair.

2. The machine temperature will rise after long time of use. It is normal status.

3. Only original battery and adapter can be used for the machine.

4. Please don't let it fall or strike.

5. Please don't let the camera close to objects with strong-magnetic, such as magnet and power-driven machine. In addition, please also avoid closing to the objects which can launch strong radio wave.

6. Please don't put the camera in the place with high temperature and direct sunshine.

7. Please choose the Micro SD cards with brands so that the quality could be guaranteed.

8. Please don't let the Micro SD card put in or close to the places with strong magnetic in order to avoid losing the data of Micro SD card.

9. During the process of charging for the battery, if the product gives off heat and smoke or gives off peculiar smell, please immediately unplug the power to avoid fire.

10. When charging for the battery, please let the product put in the place where children can no reach.

11. Please let the product put in the shady,dry and insulated place.

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Product Features and Diagram

Product Features

1. Waterproof case is convenient for you to take a photo in water sports and can up to 30 meters deep waterproof.

2. Photography and slow photography.

3. The max resolution for video is 1080p 60fps.

4. Wide-angle 170 degree HD camera lens

5. 16 mega-pixel HD lens

6. Low power consumption and be used for about 90 minutes when WIFI is open.

7. Super HD 2.0 inch display screen, display and rebroadcast wonderful video.

8. Battery is removable and convenient to replace and can extend its life.

9. Charge for the battery and get a video at the same time.

10. HDMI: High definition output.

11. Support 64G memory card.

12. Many patterns of recording video:1080p, 720p

13. H.264 pattern record video.

14. Various photography pattern: common, timed, auto, drama shot.

15. Various record video pattern: common, time-lapse, loop, stop-motion.

16. Mini appearance: many optional colors.

17. Support APP upgrade for long-distance.

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## Product specification

LCD screen	2.0 LTPS
Lens	170° A+high definition wide-angle lens
Optional languages	English/Simplified Chinese/Traditional Chinese/ Korean/ Russian/French/German/ Italian/Spanish/Portuguese/Japanese
Record video	1920*1080 60fps/1920*1080 30fps/1280*720 120fps/1280*720 60fps/1280*720 30fps
Format of record video	MP4
Format of video compression	H.264
Resolution of photos	16MP/12MP/8MP/5MP/2MP
Card	Micro SD MAX 64G
Photography mode	Common, timed, auto, drama shot
Video recording mode	Common, time-lapse, loop, stop-motion
Slow photography	1080P/60fps, 720P/120 fps
Light frequency	Automatically, 50Hz,60Hz
USB	USB2.0
Battery capacity	3.7V Li-ion Battery 900mAh 3.33Wh
Power consumption	About 400mA@ 4.0V
Time of recording video	1080P/ About 90 minutes
Time of charging the battery	About 2 hours
OS	Windows XP/Vista /7/8 and Mac 10.5 or above

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| WIFI	Support
Size	59*41*29mm
Weight	44g(without battery), 58g(with battery)
Working temperature	−10℃~＋55℃
Storing temperature	−20℃~＋70℃

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

Product Diagram

Working indicator
LED light

Charging indicator
LED light

Display screen

Down key

Up key/WIFI

Speaker

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Door of the battery

Switch/mode

indicator LED light

OK

MIC

Micro SD

USB

Lens

HDMI

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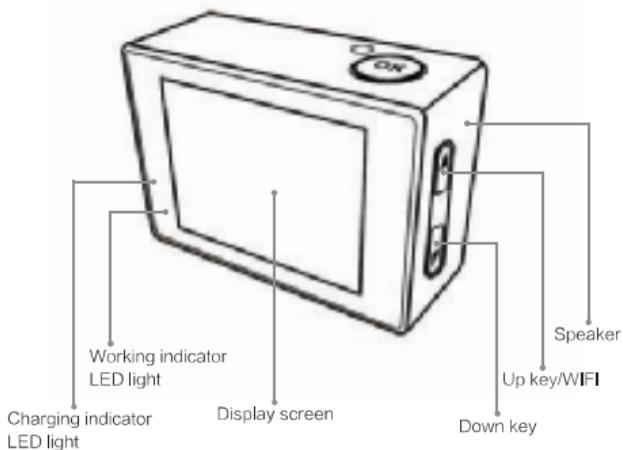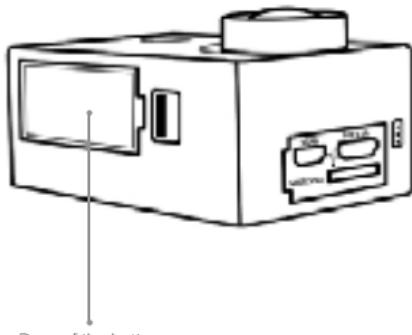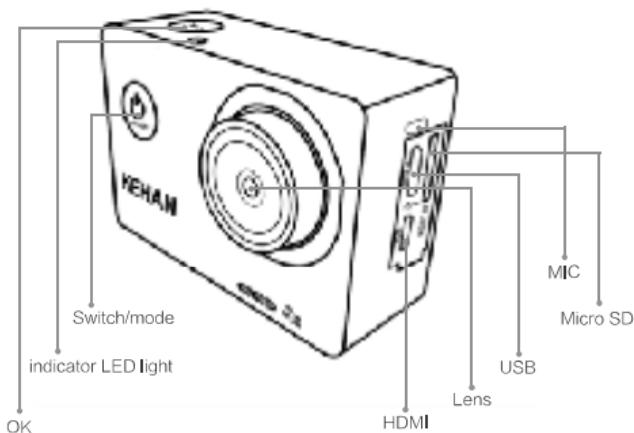
Introduction of menu buttons

| Name	Icon	Function Description
Power/Mode	(power/mode icon)	Short click for switching mode. Click for 3–5 seconds for turning on/off the device.
OK	(OK icon)	Confirm Button.
Up	(up icon)	Switch to last file. Under stand–by condition, short click for connecting WIFI process.
Down	(down icon)	Switch to next file.

The LED light

The LED light of working: the blue light is at work.
The LED light of WIFI: the yellow light flashes when WIFI is opening; the yellow light is bright when WIFI is connected; the yellow light turns off when WIFI is closed.
The LED light of charging up the battery: the red light is bright when product is charging up the battery; the red light turns off when the quantity of electricity is enough.

Installation

1. Install the battery
a. Slide battery fixing lock；
b. Open battery cover and take it off；
c. Insert battery: pay attention to the direction of battery；
d. Push back the battery fixing lock；
e. Lock battery cover.
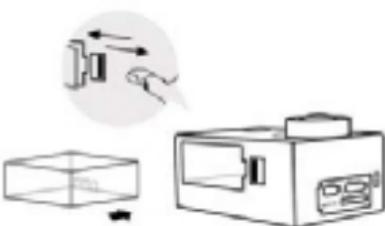
2. Charging

a. Use the USB cable to connect the computer or adapter to charge for the battery.

b. Charge for the battery and record video at the same time

c. Charging up the battery is feasible when the product is powered off.

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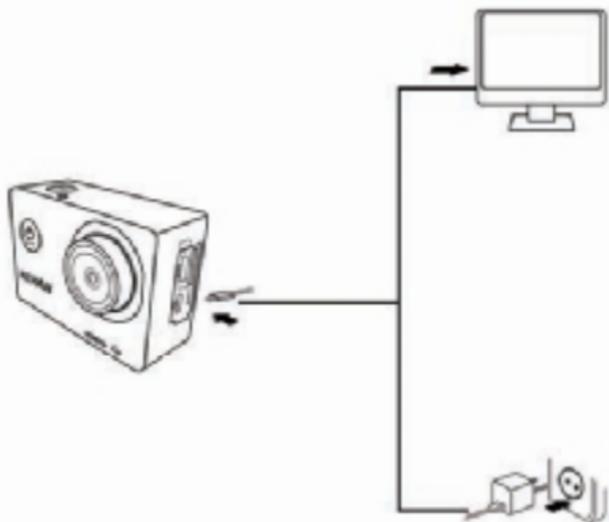
3. Insert TF card
a. Keep the device in turn-off mode;
b. Find the Micro SD card slot on the left side of the screen;
c. Insert Micro SD card (press Micro SD card, memory card will pop-up when take off Micro-SD card from device);
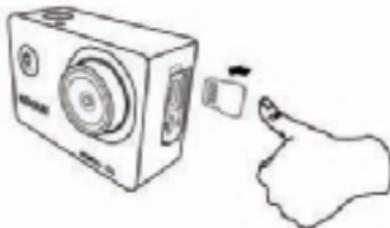
Mode Selection: Video recording, photo capturing, slow photography, playback, and setting menu.

a.Turn on the device to stand by mode.
b.Press the Mode button to switch the mode among video recording 🎥 , photo taking 📷 , slow photography 🏃 , playback ▶ , and setting menu ⚙ .
Once choosing a mode, then press "OK" button to enter into the mode.

Set up the video recording function

The camera gets into video mode, press the OK key to start recording. When recording, the bottom sign is flashing, then press the OK key to stop recording while the flashing mark disappears.
Video mode: Normal, loop recording,(2 minutes, 3 minutes, 5 minutes).

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Set up the photo capturing function

Turn the power on, when the camera enters the mode option to select camera mode, the upper left corner of the screen has pictures sign and then enter the camera mode. Press the Enter key to take pictures.

Camera mode: Normal, the timing (3 seconds, 5 seconds, 10 seconds, 20 seconds), automatic(3 seconds, 10 seconds, 15 seconds, 20 seconds, 30 seconds), the trajectory(3P/S, 5P/S,10P/S,20P/S)

Remove storage and playback instruction

After completing the recording, then use a data cable.

Take the recorded video to copy to the computer to play, or take out the Micro SD card then use a card reader to read the Micro SD card in the image data.

How to connect TV

When connect the device to TV, switch TV mode to HDMI mode, the camera contents can be replayed on TV.

Note: Part of the menu only on the machine screen display, can not be displayed on the TV; some shown on TV and the machine screen will be different.

How to connect PC

Connected to PC, the machine automatically turns on, then choose "Connected to PC" to confirm.

How to connect WIFI

Before using WIFI function, please install "XDV" APP program on the smart phone. NOTE: Android smart phone need to download it on Google-Play. IOS smart phone need to download it in the App Store.

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Connection Procedure:

a. After power on, press the ▯ key, then "WIFI message" will appear on the screen, and the WIFI light will flash.

b. Open WIFI connection on your phone, search the WIFI SSID"X10000—686868" and connected (the original password is 66666666).

c. Point and open "XDV" APP program, you can preview the shooting screen on the APP, remote video, camera, file playback/download/delete/share.

d. APP installation: the phone system requires Android 4.1 and above or IOS7 or more, scanning "XDV" APP dimensional code, follow prompts to complete the installation.

APP Download :

http://en.kehan.com/en/app

Package list

Please check accessories below when you open the package.

	Name	Quantity
1	Sports Action Camera	1
2	USB Cable	1
3	User Manual	1
4	Waterproof case	1
5	Accessories Bag	1

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Optional accessory:

waterproof case　　bicycle bracket　　pedestal 1　　pedestal 2　　Back clip

fixed base　　switch support 1　　switch support 2　　switch support 3　　commutator

helmet pedestal　　bandage　　shell　　ribbon　　3M mat
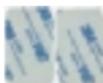
wire cable　　data cable

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Application diagram of assemble:

helmet pedestal   pedestal 1   long pole   waterproof case

camera

helmet pedestal   pedestal 1/long pole   short pole/support 3   short pole/support 2   waterproof case

bicycle bracket/long pole   long pole/support 3   waterproof case

camera   back clip   clip

11
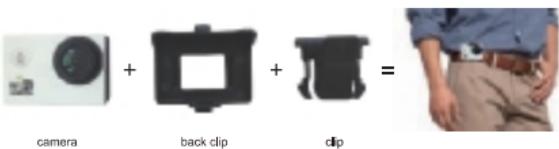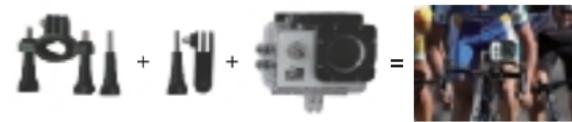
FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
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 residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and 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.
The device has been evaluated to meet general RF exposure requirement. The device can be Used in portable exposure condition without restriction.