ACTION CAMERA

N5

User Manual

Thank you for choosing the multi-functional sport came

Precaution

☆ Thank you for choosing the camera. Please carefully read the manual before using, and keep it at a safe place for future reference.

☆ The compilation of the user manual refers to the latest information. The manual quotes captured screen displays and graphics, with the aim to introduce the digital camera through detailed and direct methods. Due to the differences of technical R&D and production batch, those captured screen displays and graphics indicated in the manual may be different from that of actual digital camera.

Camera Maintenance

☆ When the camera is in idle, please keep it in dry shady place.

☆ Use protective cases to avoid the scratches to lens and LCD.

☆ If lens is needed to be cleaned, firstly blow away the dust on the surface, then use cloth or paper suitable for optical devices to clean. Detergent could be used if necessary. Please don't use organic solvent to clean.

☆ Please do not touch the lens by figures.

☆ Please do not put the camera in moist or dusty place. Electricity leakage may cause fire.

☆ Keep the camera away from drops and bumps. It may cause damage to the parts inside.

☆ Keep the camera away from long time high temperature and strong sunshine to avoid being damaged.

☆ Please note that the camera will get hot after long-term use, this is normal;

☆ Please do not put heavy objects onto the screen. It may scratch or crush the screen.

Accessories

waterproof case

bicycle bracket

pedestal 1

pedestal 2

shell

fixed base

switch support1

switch support2

switch support3

commutator

helmet pedestal

bandage

ribbon

mat

wire cable

data cable

cleaning cloth

user manual

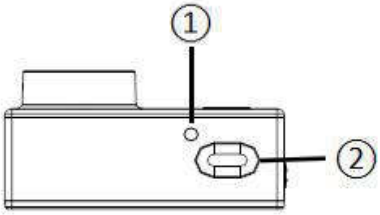
1. Special Features

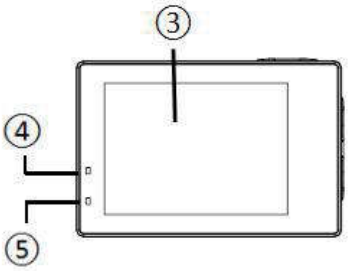
- Digital video camera (4K 24fps)
- Digital camera (20MP)
- Mass Storage
- PC Camera

- Touch Screen
- Voice prompt

2.Appearance

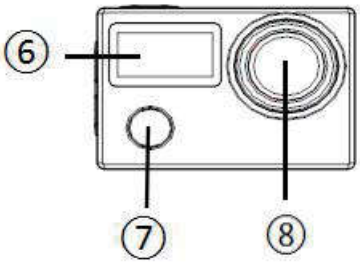
＊The specific kind prevail

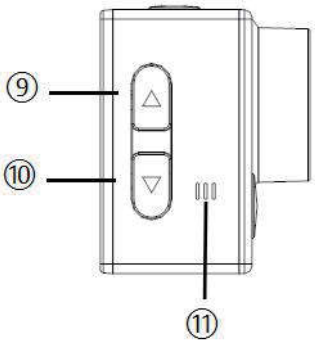




①WIFI Indicator
② OK/Shutter button

③ LCD
④Wordking Indicator
⑤ Charging indicator





⑥ Segment code NT LCD(optiona)

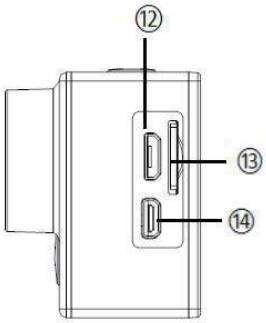
⑦ ON/OFF/Modekey

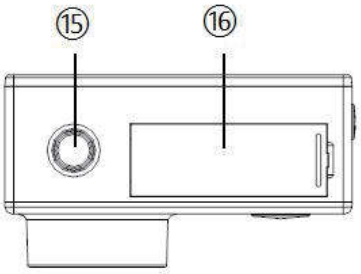
⑧ Lens

⑨ UP

⑩ Down

⑪ Speaker





⑫ USB

⑬ TF card slot

⑭HD OUT

⑮ Tripod nut

⑯ Battery cover

3. Functional keys and indicators

Keys/Indicators	Function
On/Off Key	On/Off;ModeswitchamongVideo/Photo/Playback/System Settings; To snapshot images while recording videos
OK/Shutter button	Start/Stop recording/shoot photo, Start/Stop playing video(Playback Mode), Confirmation function; In certain mode, long press the button to pop up the menu
UP	Long press to open WIFI,Page UP(Menu Settings), Page UP to view files in Playback Mode
Down	Long press to open WIFI; Page down(Menu Settings), Page down to view files in Playback Mode
Charging indicator	LED light is on when charging the camera. After finishing charging, the LED light turns off
Working indicator	When the camera is recording/shooting/LCD auto off, the LED light is on; The LED light flashes when recording videos
WIFI indicator	When open WIFI, theLED light flashes. After connecting WIFI, the LED light is on

4. Charge the detachable Li-ion battery

Connect the camera to power through USB cable. When charging, the LED charging light turns on. The battery icon flashes on upper right LCD. After finishing charging, the LED charging indicator turns off.

Note:

4.1 To speed up the charging, please charge the camera after power off;

4.2 Power off the camera, get the camera charged by connecting to PC. The LED charging indicator is on. After finishing charging, the indicator turns off. Normally, it takes 2-4 hrs to finish charging.

4.3 please use the DC charger for equipment, specifications: DC5V - 2A .

5. How to use memory card

The camera supports the memory card of 64 GB max. It doesn't support hot plug. A high speed memory card of above C6 is suggested to be used. A memory card must be inserted into the camera before using. After inserting the memory card, make sure to format the memory card on the camera first.

5.1 Insert the memory card as indicated by the icon into the slot until the card totally inside.

5.2 To remove the memory card, gently press the edge of the memory card until it pops out.

Note: The camera doesn't have built-in memory. A memory card must be inserted into the camera before using.

After inserting the memory card, make sure to format the memory card on the camera first.

6. Power on/off

6.1 Power on: Keep pressing the Power key for 3s till the screen is on.

6.2 Power off: keep pressing the camera for 3s to power off

6.3 Auto off: The camera turns off after no use of the camera for a certain time (Default time is 3mins)

6.4 Power off by low battery: When the camera is in low battery, the battery icon Flashes. Please charge the camera timely. The camera would turn off automatically in low battery.

7. Functional Modes of the camer

Video Mode: Recording videos

Photo Mode: Shooting photos

Playback Mode: Review files in the camera

System Settings Mode: Make settings of the system

8. Video Mode

Enter to settings of Video Mode:

a. Touch the settings icon on the bottom right corner of LCD

b. Long press OK key

c. Swipe the screen from bottom to top(Swipe vertically)

8.1 Recording video: In Video Mode, short press OK key or touch the red dot on the screen to start recording. When recording starts, the camera makes the voice prompt and starts to time the video from " 00：00：01" .Press OK key once again to stop recording and the camera makes voice prompt of stopping recording. The camera automatically stops recording when the memory is full.

8.2 Snapshot: When the camera is recording, short press On/Off key to capture the certain image. (Note: The recording continues when snapshot. The captured image can be viewed in Playback.)

8.3 Loop recording: In settings of Video Mode, set Loop Recording "ON" and choose Recording time (3/5/10 mins). If the time is set to be 3 mins, press OK to record, the video is automatically saved as a file after 3 mins. Then the camera continues to record next video. The recording time on LCD starts at zero. When the memory is full, the first video would be covered, and so on.

8.4 Motion Detection: In settings of Video Mode, set Motion Detection "ON". The camera starts recording after detecting motions and stops recording after no motion of 10s.

Note:
when choose interval video, UHDP24 resolution has no effect

9. Photo Mode

Switch to Photo Mode:

a. Touch the icon in left bottom LCD
b. Short press On/Off key
c. Swipe the LCD from right to left

9.1 To enter settings of Photo Mode:

a. Touch the settings icon on the bottom right corner of LCD
b. Long press OK key
c. Swipe the screen from bottom to top(Swipe vertically)

9.2 Photo shooting: short press the OK key or touch the red dot on the screen to shoot photos.Photos are automatically saved after shooting.

11.3 Burst: In settings of Photo Mode, set the burst times (3/5/10). In Photo Mode, press OK to burst. Set Burst to Single, the camera would be normal shooting mode;

9.4 Scenes: In Settings of Photo Mode, set the scene among Night Scene/Portrait/Light painting.When Scene is set on, burst does not work.（Note: If Light painting is chosen, it takes 10s to shoot one image）;

9.5 Zoom: In Photo Mode, press Up/Down key to zoom in/out.

10. Playback Mode

Switch to Playback Mode:

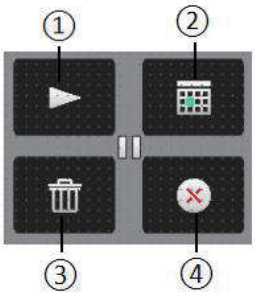
a. Touch the icon in left bottom LCD
b. Short press On/Off key

10.1 To enter settings of Playback Mode:

a. Touch the settings icon on the bottom right corner of LCD
b. Long press OK key
c. Swipe the screen from bottom to top(Swipe vertically)

10.2 In Playback Mode, swipe the LCD from right to left/press UP or Down key to choose videos/photos to view. Press OK to start playing the video and press OKone more time to stop playing.

10.3 In Playback Mode, below window would pop up by touching the screen



①Playing/Stop Playing ② Thumbnail ③ Delete ④ Exit

11 . System Settings Mode

Switch to System Settings Mode:
a. Touch the icon in left bottom LCD
b. Short press On/Off key
c. Swipe the LCD from up to bottom

11.1 Date/Time settings: In System Settings Mode, choose the icon of "Date/Time". Press OK ortouch the icon to access the settings of Date/Time. Touch Up/Down icon to change thevalues of Date/Time. Press OK or touch the check icon to save the changes.

11.2 TV: In System Settings Mode, choose TV icon, set TV "ON". Connect the camera with TVthrough TV-USB cable. TV shows screen shows the frames of the camera; Set TV off, TVdisconnects the camera.

(Note: TV-USB cable is not included in standard accessories. Touse the function, please use the TV-USB cable equipped with the camera)

12. Connect to PC

12.1 Power on the camera, connect the camera to PC with USB cable. After connection, the screen shows Mass Storage/ PC Camera;

12.2 Choose the "STORAGE", press " OK" key to connect with PC, then you can find a new disk in the" my computer", the shoot file are saved in the "Novatek" folder of the new disk, "Movie" is video file, "Photo" is picture file. you can download them to PC directly.

12.3 Choose the item "PC Camera", press "OK" key to connect with PC, the camera can be used as webcam.

13. Specifications

Chipset	NT96660
DDR	DDRIII 2G bit
Image Sensor	1/2.3" CMOS (Sony IMX078)
Lens （F.O.V(D)）	170°
LCD Display	HD2.0"TFT + {0.66"/0.96"Segment code NT LCD(optiona)}

Touch Screen	Support
Image/Video file format	Video format:MP4 / Image format: JPG
Video resolution	UHD P24(2880x2160)、QHD P30(2560x1440)、FHD P60/P30(1920x1080)、HDP120/P60/P30(1280x720)/WVGAP30(848x480)、VGA P240/P30(640x480)、QVGA P30(320x240)
Image resolution	20M (5120x3840) /16M (4608x3456)/12M (4032x3024) /10M(3648x2736)/8M (3264x2448)/5M (2592x1944)/3M(2048x1536)/VGA (640x480)
Video compressed format	H.264
Connector	Mini USB2.0, HD OUT
TV OUT	Support
OSD language	English/French/German/Spanish/Italian/Portuguese/Simplified Chinese/Japanese/Traditional Chinese/ Russian/Korean
Battery capacity	3.7V1050MAH
OS	Windows XP/7/8 SP3/Vista and Mac 10.5 or above
Working temperature	-10℃～+55℃
Storage temperature	-20℃～+70℃
Waterproof	Underwater 30M with waterproof case
Normal waterproof	Waterproof rate of camera body IPX5
Dustproof	About IEC IP6X
TF card	Up to 64GB, do not support hot plug (Note: make sure to format the TF card on the camera first before using)

14. WIFI connection

14.1 Before using the function of WIFI, please install the APP in Mobile devices.

Note: For Android devices, please search “CamKing” in Google Play and get it installed;For IOS devices, please search “CamKing” in Apple Store and get it installed;

14.2 WIFI connection:

Power on the camera, long press Down key to open WIFI. After the WIFI is open, the screen shows WIFI name and password. Find the WIFI named “Action Cam” on the Mobile devices. Connect it with the password 12345678

SSID：Action Cam

PWA2：12345678

14.3 After successful connection, the camera screen would turn off to save power. Press any key to turn on the screen.

14.4 Disconnect WIFI: short press the Down key or touch “Press Select todisconnect” on the screen to disconnect.

14.5 After wifi connection, open the APP “CamKing” on mobile devices

14.6 Press buttonb to change mode between Video and Photo

14.7 Press button to make settings of the APP

14.8 Press button to view videos and photos;

14.9 In mode of playback, long press the file title to download. After finishing download, press button to check.

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

Warning Statement

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:

- 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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.