Nightshot HD DV

User Guide

Content

1. The declaration

Thanks for your purchase of our product, before the product use, please read this manual carefully. One shall use this product strictly according to the instructions in this manual, Especially one can not violate the contents restricted in 'Prohibitions and warnings'.

This product belongs to a consumer digital product, for anything not covered here, please refer to other digital cameras, mobile phones and other consumer digital products.

If one uses the product not in accordance with the manual, or obviously violates the use and maintenance of electronic products, which cause personal injuries, property and equipment damages, the user shall bear all responsibility and producers or sellers are not responsible for anything.

2. Prohibition and warnings

Prohibition:
- Prohibition: Use the lithium batteries without self protection mechanism.
- Prohibition: Use the lithium batteries without quality guarantee.
- Prohibition: Use other-type batteries not according to STD 18650.
- Prohibition: Use batteries of other materials not by 3.7V standard lithium ion.
- Prohibition: Install on products or chargers by placing poles wrongly.
- Prohibition: Use poor chargers or without self protection mechanism.
- Prohibition:Dispose batteries by improper manners like burning, discarding, damaging, shorting and smashing.
- Prohibition: Attack, vibrate, collide and press products and accessories.
- Prohibition: Disassemble the product and accessories by yourself, which will be harmful to the product and lead to accident.
- Prohibition: Expose strong lights to eyes.
- Prohibition: Young or mentally defective persons use this product.
- Prohibition: Use this product in strong electric field or magnetic field environment.
- Prohibition: Keep using when products or accessories are found faulty.

Warning:
- Warning: Please strictly abide by relevant State laws. This cannot be used for illegal purposes, and one shall take its own responsibility for that.
- Warning: If one does not use for long time, please remove batteries after charge, and short-circuit shall be avoided.
- Warning: The product is not professional equipment which is not able to fully guarantee data security and integrity. A usual backup is recommended.
- Warning: This product is not professional video equipment, and please makes sure a reasonable illumination and stable operation while use.
- Warning: Please keep the use and storage of products and accessories under the temperature between 0-40 degrees.

- Warning: Please keep the use and storage of products and accessories under the humidity between 20%-80%.
- Warning: The product can only prevent small amount of water splash and is not completely waterproof.
- Warning: Do not use the product under very dusty environment.
- Warning: Wears and falloffs of aluminum alloy black oxide layers are normal.
- Warning: If products or accessories in use are faulty, please stop immediately, remove the battery and unplug the power.
- Warning: Do not use the product under very dusty environment.
- Warning: Lens must be kept clean.
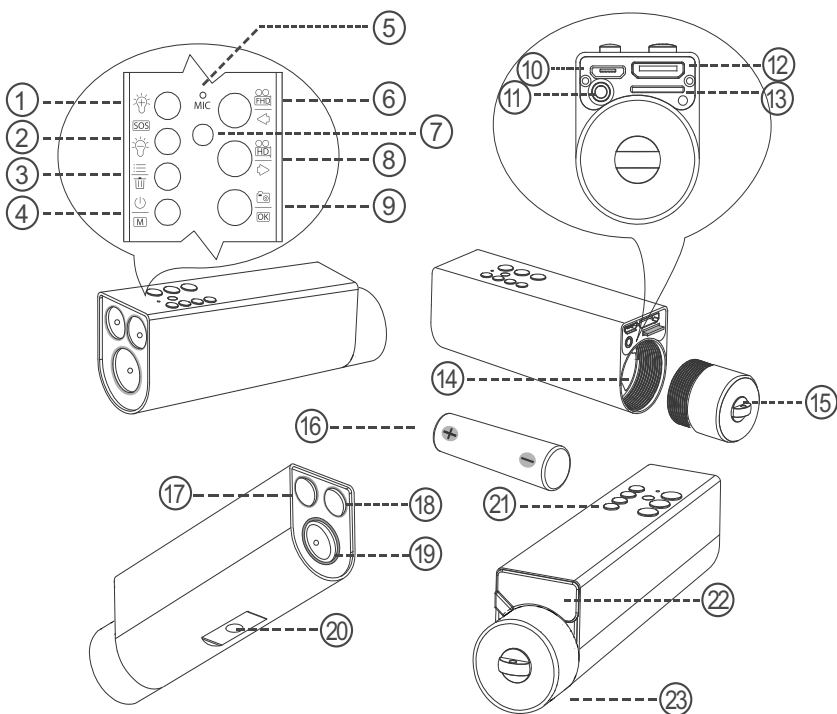
Declaration:

Because we cannot fully estimate the specific situations from users' faulty operations, all prohibitions and warnings related to products and accessories cannot be covered. When you have doubts or questions about this part, please refer to relevant contents of portable digital products in your home. A lot safe uses and daily maintenances are also applicable to this product.

3. Product introduction

Functions of this product:
- 1080P@30FPS full HD video recording.
- 1080P time lapse video recording.
- 720P@60FPS HD video recording.
- 720P time lapse video recording.
- High definition photography.
- Capture picture when video recording.
- Video and picture can be output through HDMI interfaces.
- Video and picture can be output through AVout interfaces.
- Removable disk & Micro SD (TF) card reader.
- Fill light with dual LED.
- High power flashlight.
- SOS flash signal.

4. Structure overview

NO	Item	Description
1	LED button 1	LED button-1 controls the two highlight LEDs according to the sequence of shutdown - weakest - weaker - stronger - strongest – shutdown. Meanwhile, it can also be used with another button to turn on/off the SOS flash signal, Adjust the brightness of the SOS flash signal.
2	LED button 2	LED button-2 controls the two highlight LEDs according to the sequence of shutdown - strongest - stronger - weaker - weakest – shutdown. Meanwhile, it can also be used with another button to turn on/off the SOS flash signal, Adjust the brightness of the SOS flash signal.
3	Menu / Delete button	When not connecting to TV, hold this button down about 6s to format the memory card. When connecting to TV, delete files or open/close the settings interface.
4	Power / Mode button	Turn on and off the DV. After connecting to TV, this button can switch work mode.
5	Mic	Used to catch the audio signals.

6	1080P Video REC / Left button	In recording mode, this button can be used to start/stop the 1080p@30FPS ordinary recording or start/stop 1080P time-lapse recording. In video/picture playing back mode, this button can be used to select the previous file. When connecting to TV via an AV cable, pressing this button can fast rewind the video. In parameter settings mode, this button can be used to select setting items or adjust parameters.
7	Indicator	Indicates the current mode and working status of DV.
8	720P Video REC / Right button	In recording mode, this button can be used to start/stop the 720p@60FPS ordinary recording or start/stop 720P time-lapse recording. In video/picture playing back mode, this button can be used to select the next file. When connecting to TV via an AV cable, pressing this button can fast forward the video. In parameter settings mode, this button can be used to select setting items or adjust parameters.
9	Photo / OK button	In recording mode, this button can be used to take photos, it also can be used to capture pictures when recording videos. In video/picture playing back mode, this button can be used to start/pause the video playing and show pictures in full-screen mode. In parameter settings, it can be used to confirm the setting items or parameters.
10	USB port	Micro USB socket, For charging and data transmission.
11	AVout port	Used to output NTSC/PAL video signals. When connected to TV via this interface, more operations can be performed, such as playing video files, setting parameters, live view finding or file management.
12	HDMI port	Mini HDMI interface is used to connect to TV and output high quality video signals.
13	Storage card slot	Micro SD（TF）card slot.
14	Battery Compartment	Used to install and load standard 18650 lithium ion batteries.
15	Wrist strap hole	Use to install wrist strap.
16	Lithium Battery	Standard 18650 lithium batteries can be replaced easily at any time.
17	Highlight LED 1	Used to fill light for recording, when the environmental illumination is insufficient. Used for floodlighting. Used to send SOS flash signals.
18	Highlight LED 2	Used to fill light for recording, when the environmental illumination is insufficient. Used for floodlighting. Used to send SOS flash signals.
19	Camera	Used to capture video/image signal.
20	Screw Hole	Standard 1/4" screw hole can be used with general tripods on the market, as well as some fixed brackets.
21	Power/Temperature indicator	Indicate the battery/temperature status.
22	Dustproof Stopper	Used to prevent dust or debris from entering the interface.
23	Battery Compartment Cap	Used to connect the battery cathode.

5. Indicator lamps overview

Mode&Status indicator:

Indicator Color	Status of Indicator	Descriptions
Red + Blue + Green	Solid light	Booting and initializing.
Red + Blue + Green	Alternate and quick flash	Abnormal memory card (no card, damaged card or full card).
Red	Quick flash	Formatting the memory card.
Red	Slow flash	1080P namal recording.
Red	Solid light	1080P time-lapse recording.
Blue	Slow flash	720P namal recording.
Blue	Solid light	720P time-lapse recording.
Green	Quick flash	Take photos, capture picture.
Green	Solid light	Booting is completed and waiting for further action.

Power&Temperature indicator:

Indicator Color	Status of Indicator	Descriptions
Yellow	Quick flash	The temperature is too high
Yellow	Slow flash	In normal use, it means low battery. When connected to the charger, it means being charged now.
Yellow	Solid light	In normal use, it means the DV is power on. When connected to the charger, it means the battery is fully charged.

6. Operation guide

6.1. Turn on/off

Turn on:

• Hold down the button $\frac{\bigcirc}{\boxed{M}}$ for about 3 seconds, then release.

• When red, green and blue lights are illuminated simultaneously, it means that the DV is being initialized.

• When the green indicator shows solid light and gives vibrating alert, it means that the booting is completed.

Note:

• When the battery is low, you can not use the DV, but the lighting functions can still be used for some time.
• If you can't turn on the DV according to the above procedures, please check whether the battery is installed, battery is put wrong way, battery is dead or press wrong buttons.
• The start-up time has something to do with card capacity. The bigger the capacity is, the slower it takes to start up.
• If the memory card is not inserted, or the inserted card is corrupted, it will show the storage card is faulty. After the indication it will automatically shut down. The indicator of a faulty card is: red, blue, green lights quick flash alternately, and gives vibrating alert.
• After it connects computers and chargers, it will automatically start up.

Turn off:

• Hold down the button $\frac{\bigcirc}{\boxed{M}}$ for about 3 seconds, then release.

• Vibrate twice, status indicator is off, it means that the DV is power off.

Note:

• Please shutdown according to certain steps, such as direct access to the battery, can cause product damage, or loss of data, according to the normal procedure, or shut down, in order to save is video content and related information.

6.2. Video recording and photograph

1080P video recording (Normal mode):

• When waiting for recording after booting, the green indicator shows solid light.

• Press the button $\frac{\underset{\text{FHD}}{\infty}}{\bigcirc}$ once, the recording begins. The indicator light turns to red slow flash, vibrate once.

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• Press the button 🎥FHD again, the recording stops. The indicator light turns to green and shows solid light, vibrate twice.

1080P time-lapse video recording:

• When waiting for recording after booting, the green indicator shows solid light.

• Press down the button 🎥FHD for 3 seconds, time-lapse recording begins. The indicator light turns to red and shows solid light, vibrate once.

• Press down the button 🎥FHD for 3 seconds, time-lapse recording stops. The indicator light turns to green and shows solid light, vibrate twice.

720P video recording (Normal mode):

• When waiting for recording after booting, the green indicator shows solid light.

• Press the button 🎥HD once, the recording begins. The indicator light turns to blue slow flash, vibrate once.

• Press the button 🎥HD again, the recording stops. The indicator light turns to green and shows solid light, vibrate twice.

720P time-lapse video recording:

• When waiting for recording after booting, the green indicator shows solid light.

• Press down the button 🎥HD for 3 seconds, time-lapse recording begins. The indicator light turns to blue and shows solid light, vibrate once.

• Press down the button 🎥HD for 3 seconds, time-lapse recording stops. The indicator light turns to green and and shows solid light, vibrate twice.

Taking Photos:

• When waiting for recording after booting, the green indicator shows solid light.

• Press the button 📷OK once, take a photo.

• When taking photos, the green light flashes quickly, vibrate once. After taking photos, the green indicator shows solid light.

Capture pictures when recording videos:

• When recording videos, you can capture static pictures at any time.

• Press the button $\frac{\text{📷}}{\text{OK}}$ once, capture a picture.

• When capturing pictures the green light flashes quickly, .After capturing, the indicator light will return to the original state.

Note:

• In order to obtain the best recording effect, please record in a well-lighted place. If the environmental illumination is insufficient, or there is no light, please open the fill light function. Since the fill light system built in the product has a small power, its illumination intensity is not as good as that of natural light or indoor lamplight. There will be obvious noise in the photos. This phenomenon is normal.

• Please ensure that camera is not blocked, body upright and stable, 50cm distance from the record items or persons in the sufficient lighting environment in order to get correct direction, natural color, distinct pictures and stable images. Do not shelter the pickup part of microphone in order to get clear voice recording.

• Photo processing time varies from different pixel settings. The higher the pixel is, the longer the processing takes, so does the green led flickering.

• Setting method for photo taking pixel, please refer to parameter setting in the relevant sections.

• The resolution of captured pictures is the same as that of the current video.

6.3. Formatting TF Card on the Device

• After booting, press down the button $\frac{\text{☰}}{\text{🗑}}$ for 6 seconds, start formatting the TF card.

• When starting to format, the red light flashes quickly. After formatting, the green indicator shows solid light.

6.4. Output Video/Pictures and Manage Files through HDMI Interface

Connect to TV:

• Connect the DV to TV with a HDMI cable.
• Turn on TV and the DV.
• Switch TV to corresponding channels (such as HDMI1, HDMI2, etc.).
• After connecting correctly, you can see a list of photograph thumbnails on the TV screen, as follows:

Play the Video:

• In video playback mode, the functions of relevant buttons are as follows:

⚙FHD ◁	⚙HD ▷	📷 OK	📷 OK
Select the previous video: press this button.	Select the next video: press this button.	Play the video: Press this button.	Pause the video: Press this button again.

Play the photos:

• Press the button ⏻/M and enter photo playback mode (Notes: press this button again in the interface of list, you can switch back to video playback mode).

• In photo playback mode, the functions of relevant buttons are as follows:

𝐅𝐇𝐃 ◁	𝐇𝐃𝟏 ▷	⌐ℴ OK	⌐ℴ OK
Select the previous picture: press this button.	Select the next picture: press this button.	Full-screen display: press this button	Exit full-screen display: press this button again

Delete videos or photos:

• In the list of file thumbnails, you can select a file to be deleted with left/right button.

• Press this button 🗑, a deletion confirmation dialog will pop up. Select YES/NO with left/right button.

• Press this button OK, Complete the operation.

6.5. Output Video/Pictures and Manage Files through AVout Interface

Connect to TV:

• Connect the DV to TV with a AV cable.
• Turn on TV and the DV.
• Switch TV to corresponding channels (such as AV1, AV2 etc.).
• After connecting correctly, you can see real time images in the lens on TV screen.

Live View Finding:

When the DV is connected to TV correctly, you can enter live view finding status immediately after booting. The images on TV screen are precisely the images in current recorder.

Play the Video:

- Press the button $\frac{\bigcirc}{\text{M}}$ to enter video playback mode.

- In video playback mode, the functions of relevant buttons are as follows:

∞∞ FHD ◁	∞∞ HD ▷	📷 OK	📷 OK
Select the previous video: press this button. FR in video play: Hold down this button to select fast rewind speed.	Select the next video: press this button. FF in video play: Hold down this button to select fast forword speed.	Play the video: Press this button.	Pause the video: Press this button again.

Play the photos:

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• Press the button $\frac{\bigcirc}{M}$ and enter photo playback mode.

• In photo playback mode, the functions of relevant buttons are as follows:

⚭ FHD ◁	⚭ HD1 ▷	🔲 OK	🔲 OK
Select the previous picture: press this button.	Select the next picture: press this button.	Full-screen display: press this button	Exit full-screen display: press this button again

Delete videos or photos:

• In the list of file thumbnails, you can select a file to be deleted with left/right button.

• Press this button $\frac{\equiv}{\mathrm{III}}$, a deletion confirmation dialog will pop up. Select YES/NO with left/right button.

• Press this button 🔲 OK , Complete the operation.

Parameter Settings:

• Press this button to switch to view finding mode (entering this model immediately after booting as default).

• Press this button to open the settings menu, shown as follows:

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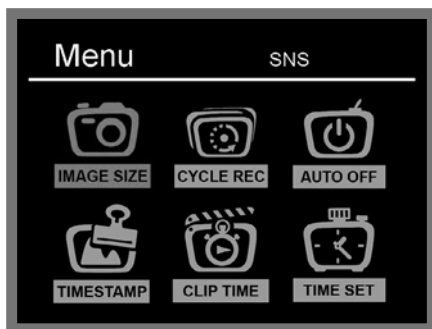
After the above menu appears, the functions of relevant buttons are as follows:

⚏ FHD ◁	⚏ HD ▷	▣ OK	☰ 🗑
Menu interface : Select the previous item.	Menu interface : Select the next item.	Menu interface : Enter the selected item.	Press this button to exit settings
Settings interface: Adjust parameters.	Settings interface: Adjust parameters.	Settings interface: Confirm settings.	Close the settings menu: Press this button until it is closed.

Set functions and items in the menu:

- Set pixels of photos.
- Open and close the loop recording function.
- Open and close automatic shutdown when no operation is performed.
- Open and close time watermarks.
- Set the time of automatic video segmentation and saving
- Set dates and time.
- Set intervals between time-lapse video frames.
- Set AV Out video format
- Reset all setting parameters
- Format memory cards

6.6. Use Removable Disks

- Connect the DV to a computer via a USB cable.
- Make sure that the memory card has been inserted into the DV.
- Open the removable disk in the computer. You can read the recorded video/picture files immediately.
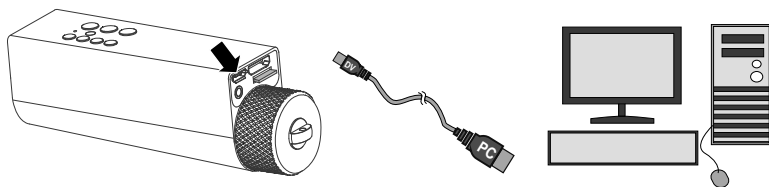
6.7. Set Product Time and Parameters through TXT File Settings

The setting of product time and parameters can also be done in texts, without connecting to TV.

Before setting parameters, you should first connect it to the computer and make sure that an available memory card has been inserted in the product.

Set the time:

Set the time through text file and the steps are as follow:

- Connect the recorder to a computer.
- Create a txt document in the root directory of the storage card, and named it 'time'. Please remember that the extension must be 'txt', i.e. the file name is: 'time.txt'.
- Input the date and time you want. Please pay attention to type the correct separator and spaces, in which separators support English half-angle "-", "." ":" characters. There must be a space between the date and time. When the date or time is less than two digits, 0 is required. The reference format is:

Format one: yyyy-mm-dd hh:mm:ss
Example one: 2014-01-10 08:15:38

Format two: yyyy.mm.dd hh.mm.ss
Example two: 2014.12.24 21.35.00

- Edit and save the text file and then unload the product from the computer and unplug it. Shutdown and restart the camera, and the settings are done.
- After the settings are effective, the time text file inside the storage card will be automatically deleted.

Set the parameters:

Set the parameter through text file and the steps are as follow:

- Shutdown the camera, insert the memory card and connect to the computer.
- Use a notepad or any other text editor to open "SETUP.TXT" file in the root directory of the storage card.
- Edit and save the text file and then unload the product from the computer and unplug it. Shutdown and restart the camera, and the settings are done.

A detailed description of product parameters are as follows:

Item	Default	Range	Note
AutoPowerOff (Automatic Shutdown When No Operation is Performed.)	Y	Y	Y: If there are no operations after booting, the device will shut down automatically.
		N	N: Even if there are no operations after booting, the device will not shut down automatically.
CycleRecord (Loop Recording)	N	Y	Loop recording means during recording, when the memory card runs out of space, the device will delete the earliest video files automatically, to make available space and continue recording a new video. Y: Enables the loop recording function. There will be no alarm when the card is full.
		N	N: Disables the loop recording function. There will be an alarm when the card is full.

Timestamp (Time Watermark)	N	Y N	Time watermark refers to the recording date and time marked on recorded video files. Y: Adding time watermarks on video files. N: Not adding time watermarks on video files.
MaxRecordTime (Time of Automatic Video Segmentation)	10	1 ~ 30	In the process of recording, according to setting values, video files are segmented and saved automatically. Unit: min.
ImageSize	3	2 3 5 8 12	It suggests the photo resolution and its pixel. 2: 2M pixel. 3: 8M pixel. 5: 5M pixel. 8: 8M pixel. 12: 12M pixel
TimeLapseTime (Intervals of Time-lapse Recording)	1	1 ~ 60	Set the interval between two time-lapse recording frames. Unit: sec.

6.8. Highlight Illumination and Fill Light

Fill light and highlight illumination functions provide four kinds of brightness. Users can select a brightness according their actual situation, to obtain the best effect.

It is very convenient for you to operate the device by controlling the button. In the above figure, Level 1 represents the strongest light. Level 2 represents stronger light. Level 3 represents weaker light and Level 4 represents the weakest light. The operation of the two buttons and light changes are as follows:
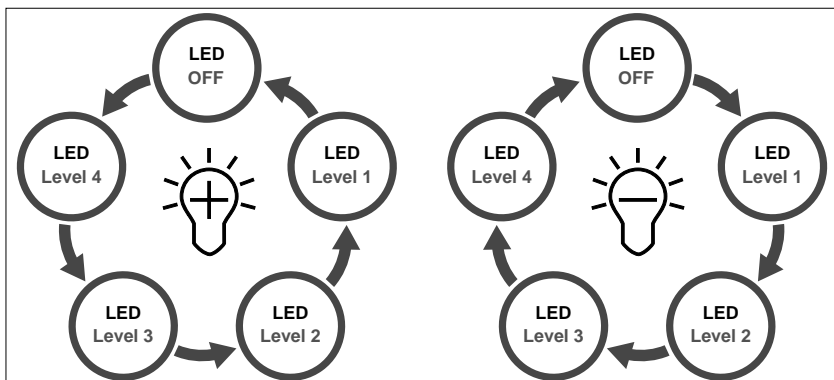
The button with a " + " sign will increase the brightness by a level with one press, until finally turned off. The button with a " - " sign will reduce the brightness by a level

with one press, until finally turned off. It loops in the way.

If the light is too bright, you can reduce a level at any time. If the light is not bright enough, you can increase a level.

If you don't want to press many times to turn off the light, you can press down either of the two buttons to turn it off directly.

6.9. Recommendation on the Selection of Brightness and the Distances from Recorded objects

This product is subject to cooling, electricity and other factors, so the brightness that it can give is very limited. When turning on the strongest light, to the extent that human eyes can distinguish, it can only illuminate within a scope of 20m. For DV, the distance is even shorter, about 12 m.

When the environment illumination is insufficient, we can use the fill light function. But it is not true that the greater fill light is, the better effect there will be. The use of strong light in a short distance may cause excessive exposure of photos and increase energy consumption. The use of weak light in a long distance, on contrary, cannot achieve the effect of lighting. Therefore, we need to depend on the types of landscapes and their distances from the recorder to adjust the fill light intensity, to obtain the best video effect and the most effective power consumption.

As long as the ambient light doesn't affect reading, there is no need to fill light. If the ambient light affects reading and normal vision, you can refer to the following content:

Objects	Distances	Brightness level
Light objects or reflective objects	0-3m	Level 4
	3-6m	Level 3
	6-9m	Level 2
	9-12m	Level 1
Dark objects	0-3m	Level 3
	3-6m	Level 2 or Level 1
	6-9m	Level 1
	9-12m	Level 1 Note: The fill light effect is poor.

6.10.   Open and close SOS flash signal

This device is equipped with an SOS flash signal function for rescue. When you are in danger and carrying this product accidentally, you can use this function to send a rescue signal to others.

- Open SOS flash signal: Press these buttons (☀ ☀) at the same time to open the SOS flash signal.

- Close SOS flash signal: Press these buttons (☼ ☼) again at the same time to turn off the SOS flash signal, or press down either of the two buttons to turn it off directly (☼ ☼).

When you are in danger, energy should be used economically. Thus, SOS functions provide two levels of brightness—strong and weak, for you to choose according to the actual situation.

After turning on SOS, the way to adjust light intensity is:

- Press down the button (☼) , you can use strong light SOS signal.

- Press down the button (☼) , you can use weak light SOS signal.

6.11. Charge

Directly use USB interface:
- Connect the USB cable to the DV.
- Connect the USB cable to a computer or a charger.
- Turn on the computer or charger .
- The DV boots automatically. The power light is turned on and indicates the status of charging.
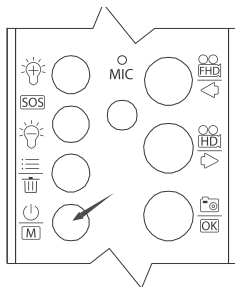
- When charging, the power indicator flashes slowly.
- When fully charged, the power indicator lights constant.

Charge the battery with a charger.
- Take out the battery from the DV.
- Load the battery into the charger.
- Plug the charger into an electrical socket.

- When being charged, the power indicator is red.
- When fully charged, the power indicator is green.

Note:
- Please strictly distinguish the negative, positive poles of the charger and battery, and put into the charger by correct directions.

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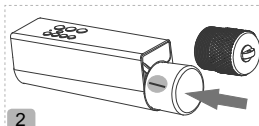- Considering safety, please first finish battery installation and then connect to main powers.
- After fully charged, the battery is taken out. Pull the charger out from the socket and place it properly.
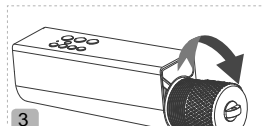
6.12.   Replace the battery

If you want to replace the battery, please rotate the bottom cover as shown in the picture---positive faces inside and negative outside, and screw in the cover.
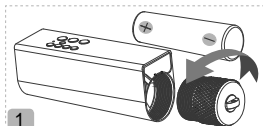
| 1 According to the above directions to open the bottom cover. | 2 According to the direction of load cell. | 3 According to the direction of the bottom cover. |

Note:

- Do not put battery in the wrong direction, otherwise it will damage the battery and product and has the potential to cause safety accidents.
- Installing the tail cap without remaining upright with the cylindrical shell portion, which will lead to a deflective tail cap, threads damage and make it unable to disassemble.
- It is normal for the cap thread to have some grease on it. The grease is used to protect the thread, reduce rotary resistance and rotation noise.

7. FAQ and Solutions

7.1. The light cannot maintain the highest level of brightness and the level of brightness gradually reduces.

- Reason: the temperature is above the permitted working temperature. When it is detected by the temperature control core of the product, it will reduce the level of light brightness automatically, in order to reduce the overall temperature of the product.
- Solution: Use the product after it is cooled. Or change another environment to use it.

- Reason: The battery power is too low. It cannot guarantee the power supply of high brightness light.
- Solution: Charge the battery or replace it with a backup battery.

7.2. Red, green and blue lights flash alternately quickly, with vibrating alert.

The quick flash of red, green and blue lights means that the memory card is in an abnormal state. Please eliminate the abnormalities according to the following steps.

- Reason: No card is inserted.
- Solution: Insert a memory card.

- Reason: The card is full.
- Solution: Connect to the computer, backup important files, delete unwanted files, or replace it with a new card. If loop recording is set, the device will not prompt if the card is full. It will override the earliest video files automatically.

- Reason: The card is damaged or unsupported.
- Solution: Change another memory card.

7.3. Power light flashes and then shuts down.

- Reason: The battery level is low. It cannot support recording.
- Solution: Recharge the battery or change a new battery with sufficient power.

7.4. The DV power or the flashlight cannot be turned on

- Reason: The battery goes wrong. It is likely that no battery is loaded, the battery is reversely loaded or the power is low.
- Solution: Load high quality batteries with sufficient power which conform to the requirements.

7.5. The video files can't play

- Reason: the media player doesn't support them.
- Solution: please use a mainstream media player which support H.264 to replace the current one.

- Reason: inappropriate operation results in damaged files.
- Solution: please strictly follow the direction of this manual and use the product properly, particularly, don't remove the battery under the work condition.

- Reason: the data wrote in the video files malfunction.
- Solution: please use a high-speed memory card to replace the current one.

- Reason: damaged card or inferior false memory card.
- Solution: please use a superior high-speed memory card with a regular brand.

7.6. No response to any operation.

Press down the power button for about 10 seconds. The product will be reset.

If pressing down the power button cannot solve the problem, please taking out the battery and reload it.

7.7. Other Unknown Errors

For other abnormal conditions, please refer to Notes in corresponding operation parts. Basically, all the descriptions and solutions about the abnormal conditions of this product have been covered. If you still fail to solve the problem, please consult the local dealer.

8. The main parameters of the product

ITEM	Parameters
Video format	AVI
Video encode	H.264
Video resolution	1920 x 1080@30 FPS / 1280 x 720@60FPS
Picture format	JPG
Picture resolution	2M-12M pixel
Video output	HDMI / AV out(NTSC/PAL)
Storage support	1GB-32GB High speed TF card
OS Support	Windows / Linux / Mac / Android OS
LED lamp	High power CREE LED x 2
illumination	80 ~ 320 Lm
USB interface	Micro USB
Direct charger	DC 5V output with a standard USB port
Battery Charger	Standard 18650 LiB charger with battery management functions
Power	Min(ablut 0.7W) — Max(ablut 6.0W)
Battery type	1 x 18650 3.7V Li-ion, high-quality battery with protection board
Dustproof &Waterproof	Normal dust proof & not waterproof

Thank you for reading this manual patiently and carefully.

Hopefully this product can bring you pleasant user experience and enable you to discover and record more fun and fine views in your life!