



Sir Gawain
Full HD Mini DV camera

Operating manual



CUSTOMER SUPPORT 24/7: www.sirgawain.net

EMAIL: Info.sirgawain@gmail.com

FEATURES:

- ▶ High definition full HD1080P
- ▶ Motion detection, IR night vision
- ▶ Support of loop recording
- ▶ Compact fashionable design, portable handheld, easy to carry
- ▶ Support for TV out, TV monitor video connection
- ▶ Built-in lithium battery (camera operation time - approx. 100 minutes)
- ▶ Support for up to 32GB TF card max. (Memory card not included)

OPERATION INSTRUCTION

Attention: Always charge the camera before use!

CHARGING

(Camera may be charged while recording):

The built-in rechargeable lithium battery is charged in the following ways:

- 1) Connect USB cable to computer.
- 2) Connect USB cable to 5 V charger and plug into electric outlet.
- 3) Connect USB cable to power bank.

A flashing red light indicates charging; permanent red light indicates a full charge.
(Please charge more than 60 minutes to ensure that battery is charged at 100%).

The camera may also be connected to an external power source to charge while in use (if an SD-card is inserted, the camera records in the 720p mode). Then a blue led flashes 3 times to indicate that the video is recording.

To stop recording, push the on/off button.

USING A TF MEMORYCARD (MICRO SD)

Use **TF micro SD card up to 32GB 10 class (not included).**

Before using, format micro SD card in FAT32 (FAT-MAC). **(In most cases, this step can be skipped.)**

Check out the “NOTES 2” for formatting

Insert TF card. The electrical contacts of the card should face the camera lens.



TURNING ON THE DEVICE

To turn on the camera, press and hold the ON/OFF button until the blue indicator light turns on (HD 720p standby mode)

POWER OFF

To shut down the device, (stop recording if the device is recording), press and hold the ON/OFF button for 6 seconds.

In standby mode, the device automatically shuts down after 1 minute.

RESET:

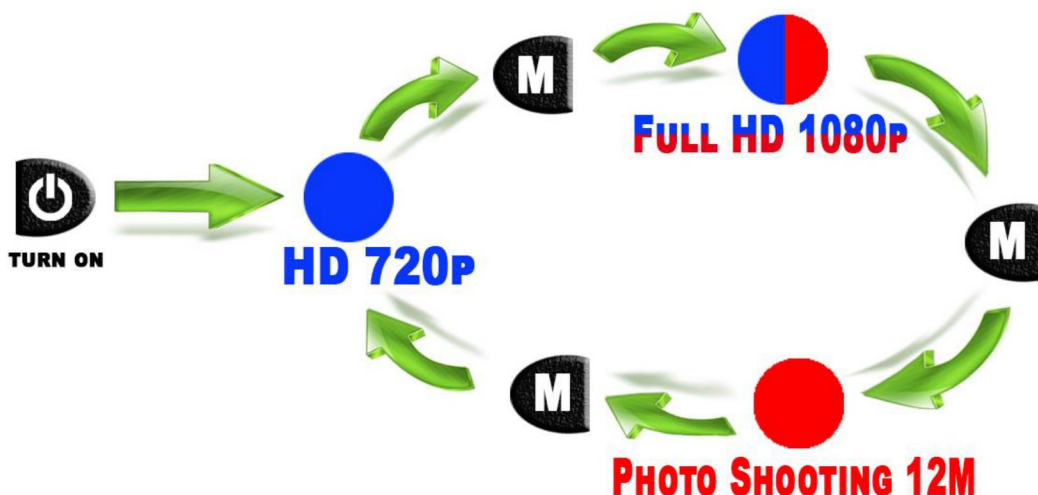
If the device crashes and does not respond to buttons, a sharp object may be used to reset. Insert it into the reset hole on the device.




Note 1:

1. If the battery's charge is low or the card is full, the DV red and blue light flashes for 5 seconds and it shuts down, (it saves the file automatically and shuts down) once the file has been saved, please charge the device.
2. Video recording is automatically saved in files up to 5 minutes.
3. After the TF card space is full, the earliest video files are overwritten.
4. The device automatically shuts down after one minute of boot mode. (This does not include Motion detection/Night vision modes)

TYPES OF MODES

CYCLIC SWITCHING BETWEEN MODES



MODES	ACTIONS
<p data-bbox="252 248 392 286">HD 720p</p>  <p data-bbox="108 472 539 600">If the LED indicates blue light, it is standby mode for 720p.</p>	<p data-bbox="564 248 1506 331">To use HD 720p: Click the MODE button once, the LED turns from red to blue.</p> <p data-bbox="564 371 1506 454">This mode is also available immediately after the device is turned on.</p> <p data-bbox="564 495 1506 622">With the blue led on, Click the ON/OFF button once to begin recording. The blue Led flashes 3 times, then the LED turns off and the recording begins in 720p.</p> <p data-bbox="564 663 1506 745">Click the ON/OFF button again to stop video recording. The Led returns to blue / standby mode 720p.</p>
<p data-bbox="209 831 435 869">Full HD 1080p</p>  <p data-bbox="108 1055 523 1182">If the LED indicates blue / red light, it is standby mode for 1080p.</p>	<p data-bbox="564 831 1506 913">To change to Full HD 1080p: Click the MODE button once, the LED turns from blue to blue/red.</p> <p data-bbox="564 954 1506 1081">Click the ON/OFF button once to begin recording. The Led flashes blue and red three times, then the LED turns off and recording begins in 1080p.</p> <p data-bbox="564 1122 1506 1205">Click the ON/OFF button again to stop video recording. Led returns to blue / red / standby mode 1080p.</p>
<p data-bbox="108 1285 424 1323">Photo Shooting 12M</p>  <p data-bbox="108 1464 539 1592">If the LED indicates red light it is standby mode for photo shooting 12M.</p>	<p data-bbox="564 1285 1506 1413">To change to Photo Mode: Click the MODE button once, the Led flashes from blue / red to red / standby Photo Mode.</p> <p data-bbox="564 1453 1230 1491">Take a Photo by pressing the ON/OFF button.</p>

SPECIAL MODES

Motion detection and Night vision modes do not run simultaneously!

NIGHT VISION

Infrared Lamp



Night vision G007
glow is not visible to the eyes



Look at the led through
the phone's camera

Activation: boot into any standby mode (HD 720p, Full HD1080p or Photo Shooting), press and hold the ON/OFF button for 3 seconds until the red light flashes twice to indicate that the infrared night vision lamp is on.

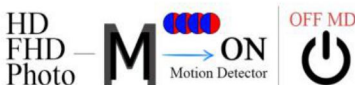
After aforesaid operation, the selected shooting mode is displayed again (HD 720p, Full HD1080p or Photo Shooting) Infrared camera lights are also turned on, (lights are not visible to the eye!)

Note: To detect the infrared, look at the led through a phone's camera (may be detected through any video recording device – portative video cam, cam of the cell phone etc.)>>.

Click the ON/OFF button once to begin recording. (There is no Led indication during recording). Push the on/off button again to stop recording.

To deactivate the infrared night-vision light: Turn off standby mode, press and hold the ON/OFF button for 3 seconds, until the red light flashes 3 times, this will shut down the infrared night vision and return the camera to standby mode.

MOTION DETECTION



To Activate: Boot into any standby mode (HD 720p, Full HD1080p or Photo Shooting), press and hold the MODE button for 3 seconds until it flashes 4 blue/red lights and the LED goes off.

That initiates motion detection video mode, detecting any moving objects and recording video that is automatically saved in 5-minute files.

If there is no moving object, device remains in standby mode and video recording stops until the lithium battery charge runs out.

If any movement is detected video recording is resumed.

To deactivate: Stop the detection mode by pressing the ON/OFF button.

The camera returns to standby mode.

Functions of USB-connector with TV cable:

1. May be plugged in computer to charge the device and for data transfer.
2. May be plugged in TV OUT for screen display.
3. May be plugged into the DV 5v charger.

PC CONNECTION

On standby mode and when the device is off, this device may be connected directly to the computer.

Once connected to the computer, it may be used as a regular flash drive, files are free to copy, paste and delete. Removable disk may also be formatted.

Connection steps:

1. Use the provided cable to connect the camera to your computer. Plug the mini-USB connector into camera and USB plug into your computer.
2. After a few seconds, the computer pops up the removable disk logo.
(The blue indicator identifies that the USB device can carry out data transmission, the red light will indicate the device is fully charged)
3. If the computer does not identify the device or does not show the removable disk logo in 30 seconds, please reset computer and plug in again.
4. We recommend that you play video files directly from your PC by copying them from T-flash to your hard drive, because the data transfer rate via USB cable may not be sufficient to play files in the proper quality.
5. **RealPlayer or VLC Player are the media players we recommend to play back the files.**
The media players may be downloaded for free off of their websites. Simply search “RealPlayer” or “VLC Player” on google or any search engine.

DATA & TIME SETTING

The device will automatically create a TXT document in the TF directory. On a removable disk, open (TIMEREST.txt) text document, edit the required data and save the text file.

The format of the text file looks like this: **20180908192526 Y**. It simply means:
2018 (year) 09 (month) 08 (day) 19 (hour) 25 (minute) 26 (second)
Y (yes – time display).

After 20160804174726 Y boot record video file is saved, it displays the video editing time.

If the tail of the letter Y is changed to N, no date & time in the same operation mode is displayed:

- 1:20150608192526 Y (time display)
- 2:20150608192526 N (no time display)

TV OUT MODE

1. Use the provided cable to connect the camera to the TV. Plug the Mini-USB connector into the camera and the AV connector to your TV.
2. Turn mini camera G007 on.
3. Choose AV source on TV.
(The boot mode is displayed on TV screen along with the image from device).
The mode may be used to take photos and videos and for motion detecting.

Note 2:

- a. If the double red blue light is flashing and the product cannot be used. Then make sure a working TF card up to 32 GB class 10 is inserted in the product (the TF card not included in the original package)
Also, make sure that the battery is charged.
- b. Use the device in sufficient lighting conditions and keep the subject at a distance of more than 20 in. This will ensure that the color is natural, the scenery is clear, and the images are stable.
- c. The memory Card should be in FAT format, you may check your memory card and format it as FAT with your computer.

To format a micro SD card: *Connect the memory card to the computer using a camera or a card reader.*

For Windows OS: To format a memory card in Windows, just click "Format" in the FAT32 format in the context menu and wait for the process to finish.

For Mac OS a) Find and open the Disk Utility program. This program is installed by default on all computers with Mac OS. To do this, press ctrl + space bar and in the Spotlight pop-up window start typing the name "Disk Utility" or simply open this program through Finder -> Programs -> Utilities -> Disk Utility.

b) In the opened window of the program "Disk Utility" on the left, find your flash drive. In the right part, open the "Erase" tab, select the format of the FAT file system and the name of the memory card and press the "Erase" button from the bottom.

- d. Use high speed Class 10 memory card, the camera supports 32GB Maximum.
- e. The camera will continuously record 5 minutes sequences for both 720p and 1080p modes.
- f. If the SD-card is full, the camera automatically loops and deletes the oldest file.
- g. If the battery's charge is critically low, the camera automatically saves the last sequence and powers off.

Package Includes

- 1 x Mini Camera G007
- 1 x USB / TV Out 2-in-1 Cable
- 1 x Bracket
- 1 x Clip
- 1 x Sling
- 1 x User Manual
- 1 x Pin to reset
- Bonus Gift:**
- 1 x card reader
- 1 x neck cord

SPECIFICATIONS

ITEM	PARAMETER
Video Resolution	Full HD 1920x1080, HD 1280x720
Frame rate:	15, 30 frames per second
Video file type:	AVI - RealPlayer or VLC Player are the media players we recommend
Photo resolution:	12 MP - 4032x3024
Photo file type:	JPEG
Viewing angle:	140 °
Night illumination:	Range up to 16 feet, DOES NOT emit light!
Motion sensor:	Up to 16 feet
Recording while charging:	Yes
Work duration:	Up to 100 minutes in constant recording mode
Work duration:	About 5 hours in motion sensor mode
Work duration:	24/7 clock when external power is connected
Card support	Micro SD up to 32GB of 10 class (not included)
Cyclic recording:	Yes, deletes the oldest file when TF card is full
Operating temperature:	14 ° F 110 ° F
Dimensions:	0.9x0.9x0.9 inches
Weight	0.4 oz.

WARNING

Please strictly abide the relevant national laws, the product may not be used for any illegal purpose, otherwise the consequences are under the user's responsibility.

It takes about 2-3 hours to completely recharge the battery, full red light flashes each 30 minutes after the battery is fully charged.

Working temperature: please use under normal temperatures, do not use in extreme temperatures. Keep away from fire.

Working humidity: please use under normal humidity, please do not put the product in damp working environments. The product is not waterproof. Please keep this product out of water and do not expose to rain.

Do not use the product inside the human body.

Shooting illumination: Use under normal lighting conditions, do not use any super light source or point the camera directly into the sun to avoid damage.

Cleaning: Do not use in an excessive dust density environment, in order to protect the lens and other components from dust, this will impact the camera's picture quality.

Waste treatment: Please pay attention to environmental protection laws. Please dispose responsibly. Do not throw this product in the fire to avoid explosion.

CUSTOMER SUPPORT 24/7: www.sirgawain.net

EMAIL: Info.sirgawain@gmail.com