Preparation For Using

Parts Of The Camcorder
1. Power/Shutter/OK Button
2. Working/Shutter Indicator Light
3. Mode Button
4. Microphone
5. Lens
6. HDMI Out Jack
7. Reset
8. USB Jack
9. TF Card Slot
10. WiFi/Disinfect Button
11. Speaker
12. LCD Screen
13. Tripod Slot
14. Battery Slot

Charging The Battery

The camcorder has an internal lithium battery. Please follow below steps to charge the battery correctly when in first use or in low power.

1. Long press the power button to turn the camcorder off.
2. Connect the camcorder to the computer or a charger through the USB cable for battery charging.
3. When charging, the power indicator light will turn red and flicker.
4. Once the charging completed, the indicator light will keep red. Please unplug the USB cable.

Notice: The camcorder body may get warmer after using for long time. This is normal.

Inserting The Memory Card

This camcorder is not equipped with an internal memory card. For normal operation, please prepare a TF card (at least class 4) first and follow below steps to insert the card.

1. Turn the camcorder off.
2. Find the TF card slot at the side of camcorder, then insert the card in correct direction. You will hear a "click" sound if the memory card has been inserted into the camcorder successfully.

Notice
1. Must use Class 4 (at least) or higher speed rate TF card. Please use above Class 10 TF card when recording video in 4K/1080p@60fps.
2. Please format the TF card before using. Make sure the camcorder is turned off before inserting or removing the card.
3. Using poor quality or counterfeit memory card will lead to many problems such as crashing, cannot taking photo or video, damaging the files and so on. Suggest to use brand memory card for improving the stability of camcorder. It has higher requirement for TF card when in moving or long-time continuous shooting.
4. It is important to keep TF card clean. Do not adhere any liquid, dust and particles on the surface of card.
Instilling the Mounts

In order to using the camcorder out doors better, we provide mounts to fixed the camcorder as below.

Basic Operation

Turning On And Off The Camcorder

1. Press the Power/Shutter button to turn on the camcorder.
2. Long press the Power/Shutter button to turn off the camcorder.

Tips: - The working indicator light will turn blue when turn the camcorder on and off.
- To save power, the camcorder will be turned off automatically after a period of time not using.

Setting The Camcorder

System Setup

1. Turn on the camcorder.
2. Press Mode button to switch to the setting screen.
3. Press OK button enter into the function setting screen.
4. Then press Mode button to choose the system setting menu screen.

Function Setup

1. Turn on the camcorder.
2. Press Mode button to switch to the setting screen.
3. Press OK button enter into the function setting screen.
4. Then press Mode button to switch to the function setting menu screen.

System setup menu list as below:

Function setup menu list as below:

<table>
<thead>
<tr>
<th>Menu</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exposure</td>
<td>Set the exposure value to compensate light.</td>
</tr>
<tr>
<td>White Balance</td>
<td>Set the white balance to adapt to different</td>
</tr>
<tr>
<td>Light Source</td>
<td>light sources.</td>
</tr>
<tr>
<td>Screensaver</td>
<td>Functions: [Close] / [10s] / [20s] / [30s]</td>
</tr>
<tr>
<td>Auto</td>
<td>For saving power, the camcorder will close</td>
</tr>
</tbody>
</table>
| Shutdown      | automatically after a prior of time not using.
| Time          | The date and time will be marked on the video |
| Watermark     | or picture files if open this function.       |

- Set the date and time.
- Format your TF card will delete all files including the
Changing The Mode Of Camcorder

The camcorder has 4 different modes: capture mode, video mode, sport video mode, playback mode. Repeatedly press the Mode button to select one mode.

- **Video Mode**: For recording video.
- **Capture Mode**: For taking still photos.
- **Sport Video Mode**: For recording slow motion video.
- **Playback Mode**: For playing the recorded files.

Recording Video

1. Turn on the camcorder, press the Mode button to switch to video mode.
2. Start to record video.
   - Use the LCD screen to view your subject.
   - Press the Shutter button to start recording.
   - The record duration will be shown on the LCD display.

- If using a low speed card, the video size will be adjusted to 720P automatically.
- Finish recording.
- Press the Shutter button again to stop recording.
- The camcorder will stop recording automatically once capacity of the memory card is full.

Video mode menu list as below:

<table>
<thead>
<tr>
<th>Menu</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video</td>
<td>Set the video resolution.</td>
</tr>
<tr>
<td>Recording</td>
<td>Open/Close the sound during recording video.</td>
</tr>
<tr>
<td>Sound</td>
<td>Press the OK button to choose or cancel.</td>
</tr>
</tbody>
</table>

Taking Still Photos

1. Turn on the camcorder, press the Mode button to switch to capture mode.
2. Start to take a still photo.
   - Use the LCD screen to view your subject.
   - Press the Shutter button to take a photo.
   - After the image has been taken, the LCD screen will display the image for a brief seconds.

Capture mode menu list as below:

<table>
<thead>
<tr>
<th>Menu</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Photo</td>
<td>Set the size or resolution of still photos.</td>
</tr>
</tbody>
</table>

Making connections

Connecting The Camcorder To A PC

There are two ways to download files from the memory card to a computer:
1. Insert the memory card into a card reader.
2. Connect the camcorder to a computer through the supplied USB cable.

Using a Card Reader

1. Take out the memory card from the camcorder, then insert it into a card reader which is connected to a computer.
2. Open [My Computer] or [Windows Explorer] and double-click the removable disk icon that represents the memory card.
3. Copy the files to the chosen directory in the computer.

Connecting Camcorder to a PC by the USB Cable

1. Connect camcorder to a computer through the supplied USB cable, then turn the camcorder on. The screen will display "USB Mode", "PC Camera", "Charging Mode". Press Wi-Fi button to choose "USB Mode", then press Power/Shutter button to enter USB mode.
2. Open [My Computer] or [Windows Explorer]. "Removable Disk" appears in the drive list. Double-click the "Removable Disk" icon to view its contents. Still photos are stored in the folder named "Photo". Movie Clips are stored in the folder named "Video".
3. Copy the files to the chosen directory in the computer.

Connecting The Camcorder To A HDTV

Connect the camcorder to a HDTV through the HDMI cable. Turn on the TV and set it to HDMI mode, then turn on the camcorder. After successful connection, the camcorder's screen will display on the HDTV. The screen will turn black. Then, press Mode button to enter playback mode and press OK button to view the video or pictures on the HDTV.
Wi-Fi Connecting

Download and install APP in Pad or smartphone, you can operate camcorder remotely. The functions include shooting, setting the camcorder and preview photos or videos, it will be more convenient to control.

Step 1: Download an APP "SportCam". Search and download APP named "SportCam" from Apple App Store or "Google Play". Then install it on your Pad or smartphone.

Step 2: Open camcorder’s Wi-Fi. Press Wi-Fi button, the screen will appear the icon . Waiting for at least 5 seconds, Wi-Fi account and password will show on the screen.

Step 3: Connect camcorder’s Wi-Fi. Open Wi-Fi search on smartphone or Pad. Search camcorder’s Wi-Fi account. Input the initial password "66666666". Then click to link.

Step 4: After connection is successful, open APP "SportCam" on the smartphone or Pad. You can take photos, record videos, playback files and set the camcorder or phone.

Step 5: Press Wi-Fi button will exit Wi-Fi.

How To Use The PC Camera Function

1. Connect camcorder to a computer through USB cable.
2. Turn on the camcorder. Press Wi-Fi button to choose "PC Camera Mode". The screen will appear camcorder lens.
3. In Windows XP system, open [My Computer], double click "USB video tool". The camcorder will works as PC camera.
4. Press Power/Shutter button to exit PC camera mode.
5. In Windows Vista, 7 and 8 system, the PC camera function can only be used for communication software (Skype, QQ etc.)

### Specification

<table>
<thead>
<tr>
<th>Specificat:ion</th>
<th>Sony 8 Mega Pixels CMOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LCD display</td>
<td>2.0&quot;, 960*240 TFT</td>
</tr>
<tr>
<td>Image Sensor</td>
<td>Sony 8 Mega Pixels CMOS</td>
</tr>
<tr>
<td>Video</td>
<td>4K: 15FPS/2.7K 30FPS/1080P 60FPS/1080P 1080P 30FPS/1280<em>720 90fps/1280</em>720</td>
</tr>
<tr>
<td>Resolution</td>
<td>60fps/1280*720 30fps</td>
</tr>
<tr>
<td>Aperture</td>
<td>F2.2, f=2.65mm</td>
</tr>
<tr>
<td>Lens feature</td>
<td>6G Wide Lens, F/0V 130</td>
</tr>
<tr>
<td>Focus</td>
<td>1.5m~infinity</td>
</tr>
<tr>
<td>White balance</td>
<td>Auto, Daylight, Cloudy, Tungsten, Fluorescent</td>
</tr>
<tr>
<td>Exposure</td>
<td>+3.0EV ~ -3.0EV in 1.0EV increment</td>
</tr>
<tr>
<td>PC Camera</td>
<td>Yes</td>
</tr>
<tr>
<td>Power source</td>
<td>Built-in Li-ion rechargeable battery 1000mAh</td>
</tr>
<tr>
<td>Dimension</td>
<td>59.4<em>42.5</em>21.9mm/63g</td>
</tr>
<tr>
<td>Weight</td>
<td>25g</td>
</tr>
<tr>
<td>Micro USB 2.0</td>
<td>Micro SD card, up to 64GB</td>
</tr>
<tr>
<td>Built-in</td>
<td>Built-in</td>
</tr>
<tr>
<td>Microphone</td>
<td>Built-in</td>
</tr>
<tr>
<td>Speaker</td>
<td>Built-in</td>
</tr>
<tr>
<td>Storage</td>
<td>Built-in</td>
</tr>
<tr>
<td>HDMI</td>
<td>HDMI</td>
</tr>
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<td>Micro USB 2.0</td>
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<tr>
<td>Micro SD card</td>
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<td>Battery</td>
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</tr>
</tbody>
</table>
Standby mode, press MODE to switch to the settings interface,

In the setting interface, click the OK button, then press MODE to switch to the language selection,

In the language selection interface to select ENGLISH, click on the OK button.