How to setup and operate the FHC994 – Quick Start Guide

Basic Operations

1. Insert the microSD card (up to 64GB) into the microSD card slot (metal contacts facing up) located on one side of the FHC994. **NOTE:** The card must be formatted to FAT32. Most cards 32GB and below are default to FAT32. 64GB cards will need to be formatted.

2. Move the slider located on the FHC994 to the desired recording mode. There are three types of recording modes as follows:

   - **The left-most mode is the “Surveillance Mode”.** This mode shows the symbol of an eye on the FHC994. This mode records continuously until the microSD card is full. It then overwrites the oldest recordings and continues creating recordings (circular recording is enabled on this mode). To record as much video as possible, this mode records in VGA resolution (640 x 360).

   - **The middle option is called “On-The-Go” mode, which shows a symbol of a running man.** This mode records when motion detection is detected and for 2 minutes after the last motion was detected. This mode also uses circular recording (your oldest recordings will be deleted in order to store new recordings). This mode utilizes recording at a 720p resolution (1280 x 720).

   - **The right-most mode is the “Custom Mode”.** Please refer to the Custom Mode Setup for how to set up custom configurations.

3. Power on the FHC994 by holding the power button for about 2 seconds. You will notice the LED indicator becomes active. Depending on what mode the FHC994 is in, you will see the following variations:

   - **Without DC adapter**
     - Solid Green LED: camera is booted up
     - Solid Red LED: no card, card failure, low battery, or card is full (not in loop recording mode)
     - Flashing Green LED: camera is recording normally
     - Green / Red LED intermittent flashing: battery low and recording

   - **DC adapter plugged in**
     - Solid Orange LED: charging but not recording
     - Solid Green LED: charging complete but not recording
     - Flashing Green LED: charging complete and recording
     - Flashing Green & Orange: charging and recording
     - Solid Red LED: no card, card failure or card is full (not in loop recording)

4. To view your recordings, plug the FHC994 into your computer using the provided USB cable adapter. The camera will appear as a removable disk, and should appear in “My Computer” (on Windows). On Mac, open up “Finder” and the device will appear on the left side.

   **NOTE:** The camera cannot record while connected to a PC.

5. Check the Quick Format box.

6. Press Start.

   - **Format as FAT32:** Most MicroSD Cards 32GB and under are already in FAT32 format. 64GB cards normally are exFAT format. If your card is not FAT32, please use the process below to format the card:
     1. Insert the card into the camera, connect the camera to the PC, and determine the drive designation (i.e., G:\, H:\, etc.)
     3. Launch the guiformat.exe.
     4. Choose the drive that corresponds to your SD card.
     5. Check the Quick Format box.
     6. Press Start. Once it has finished, your MicroSD card should now work with the camera.

   **NOTE:** The card must be formatted to FAT32. Most cards 32GB and below are default to FAT32. 64GB cards will need to be formatted.

   - **The DVR Widget can be found at [http://www.foscam.us/pc-software-widget](http://www.foscam.us/pc-software-widget) for both PC and Mac.**

   - **NOTE:** Some antivirus programs have been known to flag this as a virus. This program is safe and an exception may need to be created within your antivirus program. This program contains no bloatware or unneeded add-ons.

   - **To setup Custom Mode (the third mode on the right side of the FHC994 slider), the Foscam DVR widget needs to be installed on your PC or Mac.**

   - **To edit settings, click on the “Settings” section on the left side of the software.** You should see a list of preset features that can be adjusted with a description of each preset. After you have selected the desired preset, click the blue highlighted text which states "Sync Settings to DVR". You can now disconnect the camera and start using it.

   - **Once you have adjusted the settings you need, click the blue highlighted text on the top right that reads “Sync Settings to DVR”. You can now disconnect the camera and start using it.**

Custom Mode Setup

1. Ensure the FHC994 is set to Custom Mode. To do this, move the slider to the far right. Custom Mode is designated by a gear icon above the slider.

2. Plug the FHC994 into your PC or Mac using the provided USB cable adapter.

3. Open the Foscam DVR Widget that you installed. (DVR Widget can be found at [http://www.foscam.us/pc-software-widget](http://www.foscam.us/pc-software-widget))

4. Once the software widget is open, you should see the following screen below. At this point we recommend syncing the date and time to the FHC994 as it will make it easier to find your recordings when you check the camera in the future. To sync the date and time, click on the section on the left of the software titled “Date Time”. From this point, change the time and date according to your specifications. Once done, click on the blue highlighted text on the top right that reads “Sync Settings to DVR”.

5. To edit settings, click on the “Settings" section on the left side of the software. You should see a list of preset features that can be adjusted with a description of each preset. After you have selected the desired preset, click the blue highlighted text which states "Sync Settings to DVR". You can now disconnect the camera and start using it.

   - **If the preset options do not suit your needs, you can customize the FHC994’s settings even further. To do this, click on the “Option" category on the left of the software, and ensure the “Setting Mode” is set to "Custom Mode". Click the blue highlighted text on the top right labeled “Save Option" to change the mode. Then head back to the "Settings" section, you should see the list of features to adjust.**

   - **Once you have adjusted the settings you need, click the blue highlighted text on the top right that reads “Sync Settings to DVR”**. You can now disconnect the camera and start using it.
Overview

Congratulations on your purchase of the Foscam FHC994 wide angle HD intelligent security camcorder! The Foscam FHC994 is an intelligent security camcorder with rotatable 160° camera and multiple triggering methods and multi auto on/off modes. The camcorder comes with a built-in rechargeable battery which can record up to 10 hours continuous video during typical use and standby for more than 4 months when vibration triggering is enabled. By plugging in the 5V DC adapter, it can achieve 64 hours of looped recording for surveillance use.*

* Actual life and performance may vary depending upon usage and settings; battery not replaceable.

Features

Circular recording – Also known as "loop recording". Overwrites recordings once memory card is full.
Time stamp – Inserts a time stamp onto the video.
Scheduled recording - set the time to automatically turn on / off recording, 7-day circular.
Vibration-trigger recording – Select this to record only when vibration is detected.
Motion-trigger recording – Select this to record only when motion is detected.
Voice-trigger recording – Select this to record only when voice/talk is detected.
Auto on/off mode – Select different auto on/off scenarios.
Select day/night mode – Select day mode or night mode to suit your environment.
Auto gapless split file – Splits files without gaps at every 10 / 15 / 20 minutes of recording.
Orientation – Use when the camcorder is turned upside-down.
Selecteable resolution – Select a resolution of 1280x720(720p) or 640x360(360p) video and sound.
Frame rate adjustment – Adjust or lower the frame rate to save memory space.
Configurable video quality – high / medium / low
Support max 64GB microSD (TF) card (for better performance, use a card with class 4 or above and format the card before usage. Check the following link for more information: (http://www.softpedia.com/get/System/Hard-Disk-Utils/HP-USB-Disk-Storage-Format-Tool.shtml)

Minimum System Requirements

Windows 2000, XP, Vista, 7, 8, Mac OS X (mass storage class)
Windows Media Player 9
Intel Pentium class computer
USB 2.0 port for hi-speed transfers and charging

Package Contents

Please unpack your intelligent security camcorder and check that the following were included:
Foscam FHC994 intelligent security camcorder
SV DC Adapter
USB 2.0 Cable
User Manual
Quick Start Guide

Charging

The camcorder comes with an internal rechargeable battery. When using the camcorder for the first time, or if you are using it after a long period of non-usage, remember to fully charge the battery for at least 6 hours and resync the time by using the widget (see section "PC Software Widget"). You can charge your camcorder using the USB port of your computer, the DC adapter, or using a car adapter.

To charge the battery through USB port, connect the USB cable to the USB port of the computer and the camcorder. For details, please see the status below. The camcorder will function as a mass storage device, you will not be able to record video at this moment.

To charge the battery through a DC adapter or car adapter, connect the DC adapter or car adapter to the camcorder. For details, please see the Status section below. Moreover, you will also be able to record video while charging, depending on the mode you set.

Recording

The power button is located on the right side of the camcorder. It can turn the camcorder on or off.

Start Recording

Press and hold the Power button until the green LED is on (approximately 2 seconds), and then release the button. When you see the green LED flashing, the camcorder is recording. If you see otherwise, please read the Status section below.

Stop Recording

Press and hold the Power button until the green LED is off (for approximately 2 seconds).

WARNING: Turn off the camcorder before removing the card!

Status

Without DC adapter
Green LED on: camcorder is booted up
Red LED on: no card, card failed, battery low, or card is full (not in circular recording)
Green LED Flashing: normal recording
Green / Red LED intermittent flashing: battery low and recording

DC adapter plugged in
Orange LED on: charging but no recording
Green LED on: charging complete but no recording
Green LED Flashing: charging complete and recording
Green / Orange LED intermittent flashing: charging and recording
Red LED on: no card, card fail or card full (not in circular recording)

Connected to computer
Orange LED on: charging
Green LED on: charging complete

www.foscam.us
Mode switch
Switch between surveillance, on-the-go and custom modes. Default settings are in parentheses.

Note: For custom mode configuration, please use the third party PC software Widget to change the settings. The Widget can be downloaded from www.foscam.us/pc-software-widget. To make the custom mode settings effective, please push the mode switch to the “custom mode” position before powering up the FHC994.

<table>
<thead>
<tr>
<th>Surveillance</th>
<th>On-the-GO</th>
<th>Custom (default)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video Quality</td>
<td>High</td>
<td>High</td>
</tr>
<tr>
<td>Resolution</td>
<td>640x360</td>
<td>1280x720</td>
</tr>
<tr>
<td>Frame Rate</td>
<td>High</td>
<td>High</td>
</tr>
<tr>
<td>Indoor Lighting Condition</td>
<td>50Hz</td>
<td>50Hz</td>
</tr>
<tr>
<td>Day / Night Mode</td>
<td>Day mode</td>
<td>Day mode</td>
</tr>
<tr>
<td>Orientation</td>
<td>Normal</td>
<td>Normal</td>
</tr>
<tr>
<td>Time Stamp</td>
<td>Enable</td>
<td>Enable</td>
</tr>
<tr>
<td>Circular Recording</td>
<td>Enable</td>
<td>Enable</td>
</tr>
<tr>
<td>Split File Time (min)</td>
<td>20</td>
<td>15</td>
</tr>
<tr>
<td>Mic</td>
<td>Enable</td>
<td>Enable</td>
</tr>
<tr>
<td>Voice-Trigger Sensitivity</td>
<td>Disable</td>
<td>Disable</td>
</tr>
<tr>
<td>Vibration-Trigger Sensitivity</td>
<td>Disable</td>
<td>Disable</td>
</tr>
<tr>
<td>Vibration Standby Mode</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Motion-Trigger Sensitivity</td>
<td>Disable</td>
<td>Medium</td>
</tr>
<tr>
<td>Auto On / Off</td>
<td>Disable</td>
<td>Disable</td>
</tr>
</tbody>
</table>

When the FHC994 is connected to the lighter through the 5V car adapter and the auto on/off mode is selected: Car-activated Recording: Auto-starts recording once the car is started, stops recording when car is stopped.
Car-stop Recording: Auto-starts recording when car is stopped, stops recording once car is started.
Car-activate and Car-stop Recording: Auto-starts recording once car is started and continues to record even when the car is stopped. The camcorder needs to be turned off manually.

PC Software Widget
To synchronize the time and customize settings, download a PC software "Widget" from the following website www.foscam.us/pc-software-widget - follow the instructions in the software guide.

NOTE: If the time shown is year 2026 or beyond due to a loss of Real Time Clock, recording time will not be shown on the video, even if the timestamp is enabled. Please use the widget to resync the time and delete files created in 2026 or beyond!

Connecting to computer
To connect the camcorder to your computer, follow these instructions:
1. Connect the smaller end of the cable into the USB port on the computer.
2. The camcorder will appear in My Computer as a drive.

Firmware upgrades
Foscam will from time to time release new firmware for enhancements or adding new features. Visit www.foscam.us/firmware to check on the latest firmware for your FHC994.

Technical Support
To contact us, please call 1-800-930-0949, or e-mail us at support@foscam.us.

Environmental Requirements
Storage temperature: 32˚ to 113˚F (0˚ to 45˚C)
Operating temperature: 32˚ to 113˚F (0˚ to 45˚C)

FCC Regulation
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.

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 interference to radio or television reception, which can be determined by turning the equipment off and then on, the user is encouraged to try to correct the interference by one or more of the following measures:
1. Increase the separation between the equipment and camcorder.
2. Connect the equipment to a different outlet so that the equipment and camcorder are on different branch circuits.
3. Consult the dealer or an experienced radio / TV technician for help.

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