

Foscam FHC790 Intelligent Security Camcorder Quick Start Guide

Overview

Congratulations on your purchase of the Foscam FHC790 intelligent security camcorder! The Foscam FHC790 is an intelligent security camcorder with multiple triggering methods and multi auto on/off modes. The camcorder comes with a built-in rechargeable battery which can record up to 8 hours continuous video during typical use and standby for more than 3 months when vibration triggering is enabled. By plugging in the 5V DC adapter, it can achieve 192 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.

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.

Selectable 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 / 30 minutes of recording.

Orientation – Use when the camcorder is turned upside-down.

Selectable resolution – Select a resolution of 640x480(VGA) or 320x240(QVGA) 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 FHC790 intelligent security camcorder

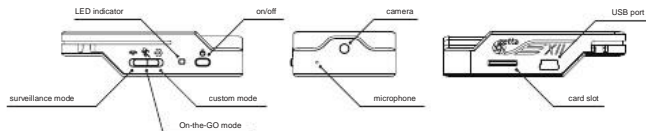
5V DC Adapter

5V Car Adapter

USB 2.0 Cable

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Foscam FHC790 at a Glance



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 4 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

Red LED flashing: charging

Red LED on: no card, card failed, or card full (not in circular recording)

Orange / Green LED intermittent flashing: charging and recording

Green LED flashing: charging complete and recording

All LEDs off: charging complete and not recording

Connected to computer

Orange LED on: charging

Green LED on: charging complete

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Mode switch

Switch between surveillance, on-the-go and custom modes. Default settings are in parentheses.
Note: For custom mode configuration, please use the 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 FHC790.

	Surveillance	On-the-GO	Custom (default)
Video Quality	High	High	(High) / Medium / Low
Resolution	320x240	640x480	(320x240)
Frame Rate	High	High	(High) / Low
Indoor Lighting Condition	50Hz	50Hz	(50Hz) / 60Hz
Day / Night Mode	Day mode	Day mode	(Day mode) / Night mode / Auto switching
Orientation	Normal	Normal	(Normal) / Up-side-down
Time Stamp	Enable	Enable	(Enable) / Disable
Circular Recording	Enable	Disable	(Enable) / Disable
Split File Time (min)	30	15	10 / (15) / 30
Mic	Enable	Enable	(Enable) / Disable
LED On / Off	On	On	(On) / Off
Voice-Trigger Sensitivity	Disable	Disable	High / Medium / Low / (Disable)
Vibration-Trigger Sensitivity	Disable	Disable	High / Medium / (Low) / Disable
Vibration Standby Mode	N/A	N/A	Fast Wake Up / (Power Saving)
Motion-Trigger Sensitivity	Disable	Medium	High / Medium / Low / (Disable)
Auto On / Off	Disable	Disable	Scheduled Recording / Car-activate Recording / Car-stop Recording / Car-activate and Car-stop Recording / (Disable)

When the FHC790 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, auto-stops recording when car is stopped.
Car-stop Recording: Auto-starts recording when car is stopped, auto-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.

* For the longest recording time, set Video Quality to Low, Resolution to 320x240 and Frame Rate to Low. This way the FHC790 can act as a digital voice recorder.

** If a recording is started, you cannot switch between modes.

*** If triggering is enabled, the FHC790 will record for 10 seconds after powering-up. Then it will go into standby. If there is a trigger, it will keep recording until there are no further triggers. After that, it will record for 5 more minutes and then standby again.

PC Software Widget

To synchronize the time and customize settings, download the PC software "Widget" from www.foscam.us/pc-software-widget and 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 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 larger end of the USB cable into an available USB port on the computer.
- 2 Connect the smaller end of the cable into the USB port of the camcorder.
- 3 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 FHC790.

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.