

Training Manual

The background of the cover features a dramatic scene of firefighters in silhouette, working against a large fire. The firefighters are wearing helmets and holding equipment. A large, stylized, black 'IFC' logo is superimposed over the center of the image, tilted slightly to the right. The fire in the background is bright orange and yellow, creating a high-contrast scene with the dark silhouettes.

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Thank you for purchasing from FDCam. We started our company to provide a quality helmet cam at an affordable price, while providing world-class customer service. We are constantly striving to improve our product, and we fully support the camera's we sell. If you have any concerns with your FDCam™ please do not hesitate to contact us. We are helmet cam enthusiasts, and we want you to enjoy filming your fires as much as we do ours.

We also would like you to continue to be able to enjoy the training and PR benefits that this footage provides. With that in mind, I would like to remind you to please be thoughtful and responsible with your footage. Any footage that could show your department in a negative light should be secured and kept for internal training only.

Thanks again for your business,

Arin Pace

Co-Founder and CEO

FDCam

Rules and Regs

- Don't subject your FDCam™ to *sustained* high heat environments like the burn building. The camera can take temps in excess of 900°F, but like anything, it can and will get heat soaked.
- While your FDCam™ is tough, it is not invincible. Avoid dropping the unit, or otherwise subjecting it to undue shock.
- Do not point the lens at the sun or any extremely bright light as damage to the lens/sensor unit may result.
- Don't submerge your FDCam™. The unit is certified to IP-65. This means it is impervious to dusts and particles, and to low-pressure jets of water.
- Charge your FDCam™ weekly and after use. You do not need to let Lithium Ion batteries fully discharge before recharging. A normal charge should be good for 2+ hours of filming.
- Always properly eject/unmount the device before removing it from the computer. Never disconnect the camera from the computer while uploading or downloading files as damage to your footage or even the camera may result.
- It is a good practice to download footage you record as soon as possible after taking it. FDCam, LLC cannot accept responsibility for any data loss you incur.
- Do not attempt to repair the unit yourself. If your FDCam™ is in need of repair, please contact FDCam Customer Support.

Rules and Regs

PATIENT PRIVACY

When using your FDCam™, **strictly follow your department's policies regarding patient privacy.** Penalties for violating patient privacy laws can be severe.

If in doubt, or if your department has no established policy regarding patient privacy, you should follow this rule:

If it involves a person with an injury or medical complaint, DO NOT FILM IT.

If during the course of filming, you encounter a patient, attempt to turn the camera off. If this is not feasible, then upon completion of the incident, turn your SD card over to your departments patient privacy officer or similar individual in charge of patient privacy compliance for your organization.

See the following for procedures for setting up and using your
FDCam™

Start-Up/Charging

1. Upon receiving your FDCam™, familiarize yourself with the anatomy of the camera and its accessories.
2. Remove the tail-cap and properly insert your micro-SD card (gold plated connections facing down)
3. Plug the USB cable into the charging adapter. Plug the other end of the cable into the USB outlet in the back of the camera. Then plug the charger into a 120V wall socket.
4. The red LED will begin flashing, indicating that it is charging. The battery is fully charged when the red LED stops flashing.
5. Remove the camera from the charger.
6. Turn off the camera by holding down the power/record button
7. Test the camera for proper function, ie: power up unit and ensure the LED's indicate that it's recording (see next page)

Recording

1. Press and hold the power/record button until the red and blue LED indicators come on (both will be lit).
 - You are now in “Stand-By” Mode
 - When your FDCam™ is in Stand-By Mode, it will automatically shut-off after 60 seconds if no further actions are taken.
2. Press the power/record button again. The blue LED will begin flashing, indicating that you are now recording.
3. To stop recording, press the power/record button again. The camera will save the file and return to Stand-By mode (both lights lit but not flashing)
4. To turn the camera off, press and hold the power/record button until all lights turn off. The camera is now off.

Customize Camera Settings (optional)

1. Ensure micro-SD card is properly inserted.
2. Turn off the camera.
3. Connect your FDCam™ and computer with the USB cable.
4. Open the camera's file (Removable Disc)
5. Open the file “SETUP.INI”

SOP's

6. You will see text that has the settings. To change settings, change the values on the right side of the equal sign. For example, if you do not want the time stamp at the bottom of the video simply change the “Yes” to a “No” and save the file.
Be sure not to add any extra spaces or text.
7. Refer to the following table page for additional info:

CycleRecord = Yes	When micro-SD is full, overwrite and continue recording over oldest data
*CycleRecord = No	Stop and turn off when card is full
*Timestamp = Yes	Date/time stamp visible on recordings
Timestamp = No	No date/time stamp visible
**VideoImageSize = 0	720p @ 30fps
VideoImageSize = 1600	1080p @15fps

*Default

**Default and preferred

Set Date/Time

1. Connect your FDCam™ to computer via USB cable.
2. You should see pop-up file called “Removable Disk”. Select “open folder to view files”
 - If you do not see pop-up, go to the Windows menu button normally at bottom left of task bar. Click it, then click “Computer” on right side of pop-up screen. Find the device called “Removable Disk” and open it.
3. Right click to bring up the menu and select “New” and “Text Document”.
4. Name the document “time” (time.txt)
5. Enter the actual, correct date/time into the file according to the following format:
 - 2012-05-25 08:32:00
 - In the preceding, the year is 2012, the month is May, the day is the 25th, and the time is 08:32 and zero seconds.
6. Save the text file and copy it into the SD card file, usually titled ACT20.
7. Properly remove camera from computer. Restart, then record. The date and time should now be stamped on your recordings.

*Please email customersupport@fdcam.com for Mac procedures.

Specs

Image Sensor	CMOS
Viewing Angle	120°
Recording Resolution	1280 x 720
Frames Per Second	30
Video File Format	.avi
Video File Size	75MB/min
USB Interface	USB 2.0
Memory	None built-in. Supports microSDHC up to 16gb
Battery Working Time	2+ Hours
Time to Fully Charge	3 Hours
Dimensions	9.5mm x 2.8mm x 2.8mm
Weight	2.26 oz

The following are some general guidelines to help you make the best of your FDCam™

Charge frequently-

You would be surprised how often your relief person turns on your camera. To avoid a failure at the worst possible time, charge frequently and check the memory status of your FDCam™ often. **You should ALWAYS test the record function after charging.** If the LED indicators do not indicate proper recording, you will need to press the reset button and test again.

Practice-

Make sure you practice turning it on and recording. With your adrenalin pumping, fine motor skills go out the window. You do not want the first time you use the camera to be on the way to a structure fire. You will probably not get the recording sequence right. *You need to build the muscle memory for activating the cam.* **Press-and-hold, then press again.** And be sure the **blue** light is blinking *before* you don your helmet.

Get a good light-

A few good lights mounted to your gear will prevent those boring shots of darkness when the fire is not providing illumination. Not to mention, as a firefighter, you are unprepared for interior attack if you don't have a properly functioning flashlight on your person.

Mounting-

Top of Brim: If you have Bourke® shields or EZ-Flips® you may choose to mount the camera to the top of your brim. This gives easy access to the power/record button. It also precludes you from having to flip the image in your video recording software.

- On the downside, it does not give an eye level POV. It also subjects your camera to more physical, water, and thermal damage since it receives no protection from the brim.
- With top mounting, the shot is more often obstructed due to debris on the helmet blocking the lens. The outer lens also becomes dirty faster.
- The power/record button is also exposed, leading to more accidental shut-offs.

Under Brim: Here at FDCam, we prefer to mount our cams under the brim. We find that there are less shots that get ruined due to stuff on the lens and pieces of ceiling blocking the view. The power/record button is also pointing down so falling debris is unlikely to de-activate the camera.

- Sound quality is better since the mic hole does not fill with water during the hose attack (generally this will not hurt your FDCam™). It also picks up more of what the wearer says because the mic points down, toward your mouth. On the downside, you must mount your camera upside down, then use your video software to flip the image back to normal.

We at FDCam hope you enjoy your camera. If you have any questions not covered here, please call us or e-mail us at:

customersupport@fdcam.com.

You may also post your question in our Forum section on FDCam.com.

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