The Canon HF M300 is just a step down from the S200. Offering many of the same features, this consumer camcorder offers slightly lower quality still-image resolution, making it ideal to novice videographers alone.

**Directions for Use:**

1. **Power on the camcorder by pressing the "POWER" button on the top of the camcorder.**

2. **Choose which recording mode is preferred:**
   a. **Dual Shot Mode** allows you to record videos and take photos easily, letting the camcorder take care of all the settings – Great for beginners or if you just prefer not to bother with detailed camcorder settings. Access this mode by toggling the record mode to the left.
   b. **Flexible Recording Mode** allows you to use one of the dedicated recording modes to enjoy full access to access the menus and advanced functions and change the camcorder's settings to your preference. Access this mode by toggling the record mode to the right.

3. **Using the FUNC. Menu:** The FUNC. Panel shows a convenient overview of frequently used shooting functions.
   a. In Dual Shot Mode, menus cannot be accessed and, except in a few cases, most menus will be reset back to default values.
   b. In Flexible Recording Mode, however, the FUNC. Panel is accessed by touching [FUNC], located in the upper left hand corner. You may then touch the function you wish to set or adjust. You may need to drag your finger up and down along the scroll bar to find the control button of the desired function.
   c. Touch [Edit] to display a similar panel containing various operations that are available after selecting one or more scenes or photos (for example, deleting or adding scenes to the playlist, protecting photos, etc.). Touch the control button of the desired operation.
   d. When finished in the FUNC. Menu, touch [X] to exit the menu.

4. **Using a Memory Card:** The VIXIA S200 records digitally using SDHC and SD memory cards. In order to record movies, the memory card must have a capacity of 128 MB or more.
   a. Make sure the camcorder is turned off before inserting a memory card.
   b. Open the memory card slot cover located under the LCD panel.
   c. Insert a memory card with the label facing front.
   d. Close the memory card slot cover.
   e. To remove the memory card, push the memory card once. When the memory card springs out, pull it all the way out.
   f. For memory card video length capacity, view the chart below:
2 GB | MXP (app. 24Mbps) | FXP (app. 17Mbps) | XP+ (app. 12Mbps) | SP (app. 7Mbps) | LP (app. 5Mbps)
---|---|---|---|---|---
10 min. | 15 min. | 20 min. | 35 min. | 45 min.
20 min. | 30 min. | 40 min. | 1 hour 10 min. | 1 hour 30 min.
40 min. | 1 hour | 1 hour 25 min. | 2 hours 20 min. | 3 hours
1 hour 25 min. | 2 hours 5 min. | 2 hours 50 min. | 4 hours 45 min. | 6 hours 5 min.
2 hours 55 min. | 4 hours 10 min. | 5 hours 45 min. | 9 hours 35 min. | 12 hours 15 min.

- **Memory Capacity**
- **MXP (app. 24Mbps)**
- **FXP (app. 17Mbps)**
- **XP+ (app. 12Mbps)**
- **SP (app. 7Mbps)**
- **LP (app. 5Mbps)**

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<tr>
<th>Memory Capacity</th>
<th>MXP (app. 24Mbps)</th>
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<tr>
<td>2 GB</td>
<td>10 min.</td>
<td>15 min.</td>
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<tr>
<td>4 GB</td>
<td>20 min.</td>
<td>30 min.</td>
<td>40 min.</td>
<td>1 hour 10 min.</td>
<td>1 hour 30 min.</td>
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<tr>
<td>8 GB</td>
<td>40 min.</td>
<td>1 hour</td>
<td>1 hour 25 min.</td>
<td>2 hours 20 min.</td>
<td>3 hours</td>
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<tr>
<td>16 GB</td>
<td>1 hour 25 min.</td>
<td>2 hours 5 min.</td>
<td>2 hours 50 min.</td>
<td>4 hours 45 min.</td>
<td>6 hours 5 min.</td>
</tr>
<tr>
<td>32 GB</td>
<td>2 hours 55 min.</td>
<td>4 hours 10 min.</td>
<td>5 hours 45 min.</td>
<td>9 hours 35 min.</td>
<td>12 hours 15 min.</td>
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- **Note:** The default memory for recording both movies and photos is the built-in memory or memory card. To select the memory for the recordings, press [FUNC.] > [MENU] > Saving Menu > then select either built-in memory or memory card.
- **Initializing Memory Cards:** When using a memory card for the first time, you must initialize it in the camcorder. You can also initialize the memory card to permanently delete all the recordings it contains.
  - i. Power the camcorder using the compact power adapter.
  - ii. Initialize the memory: [FUNC.] > [MENU] > [tools] > [Initialize] > [Mem. Card] > [Initialize] > [Complete Initialization] > [Yes] > [OK] > [X]

5. **Shooting Video and Taking Photos in Dual Shot Mode:**
   - a. Set the mode switch to Dual Shot Mode
   - b. Turn on the camcorder
   - c. Press [START/STOP] to begin recording.
   - d. Press [START/STOP] again to pause recording
   - e. To take photos:
     - i. Press [PHOTO] halfway. The flash will automatically pop up.
   - f. When you have finished recording, make sure the ACCESS indicator is off.
   - g. Turn off the camcorder.
   - h. Close the LCD panel.
   - i. Only the following functions are available in Dual Shot Mode:
     - i. Zoom
     - ii. Quick start
     - iii. Video snapshot
     - iv. Advanced image stabilization modes to shoot video while walking or to stabilize the shot while zooming in on a faraway subject.
     - v. Face detection to get beautiful shots of people every time, tracking the subject even if the person moves.
     - vi. Touch & Track to track other moving subjects, keeping them in focus and using the best settings to record them.

6. **Zooming:** There are three ways you can zoom in and out: using the zoom lever on the top of the camcorder, using the zoom buttons on the wireless controller, or using the zoom controls on the touch screen.
   - a. In addition to the 15x optical zoom, in flexible recording mode you can turn on the 300x digital zoom with the Digital Zoom setting.
   - b. Move the zoom lever toward the W (wide angle) to zoom out. Move it toward T (telephoto) to zoom in. Press gently to zoom slowly; press harder for faster zooms.
   - c. Using the touch screen’s zoom controls:
     - i. Display the zoom controls on the touch screen by pressing [FUNC.] > [ZOOM]. The zoom controls appear on the left side of the screen.
     - ii. Touch the zoom controls to operate the zoom. Touch anywhere within the W area to zoom out or anywhere within the T area to zoom in. Touch closer to the center for a slow zoom; touch closer to the W/T icons for faster zooms.
     - iii. Touch [X] to hide the zoom controls.

7. **Quick Start Function:** When you close the LCD panel with the camcorder on, the camcorder enters the standby mode. In standby mode the camcorder consumes only about 1/3 the power used when recording, saving energy when you are using a battery pack. Additionally, when you open the LCD panel or pull out the
the viewfinder, the camcorder is ready to start recording in approximately 1 second, allowing you to record the subject right away.

8. Basic Playback:
   a. Press the camera/play button.
   b. Open the [ORIGINAL] index screen if it is not already displayed.
   c. Look for the scene that you wish to play back. Move the zoom lever toward W to show 15 scenes per page; move it toward T to show 6 scenes per page.
   d. Touch the desired scene to play it back. Playback will start from the scene selected and continue until the end of the last scene in the index scene. Touch the screen during playback to display the playback controls.

9. Deleting Scenes: You can delete those scenes that you are not interested in keeping. Deleting scenes allows you also to free up space on the memory.
   a. Open the index screen that contains the scenes you want to delete.
   b. Touch [ ] to open the scene selection screen.
   c. Touch the individual scenes you want to delete. A checkmark will appear on scenes selected. Touch a selected scene again to remove the checkmark. To select all scenes at once, touch [Select All] instead of touching individual scenes.
   d. Delete the scenes: [Edit] > [Delete] > [Yes] > [OK]

10. Shooting Video in Manual Mode: When the mode switch is set to M (manual mode), you can enjoy full access to the menus and manually adjust the exposure, focus, white balance and many more of the camcorder’s settings to your preference.
    a. Set the mode switch to M.
    b. Turn on the camcorder.
    c. Press [START/STOP] to begin recording. Press again to pause recording.
    d. The zoom, Quick Start function, power saving modes, etc. operate the same way in manual mode as in dual shot mode.

11. Special Scene Recording Programs: Recording in a very bright ski resort or capturing the full colors of a sunset or a fireworks display becomes as easy as selecting a Special Scene recording program.
    a. [Portrait]: The camcorder uses a large aperture, to achieve a sharp focus on the subject while blurring the background.
    b. [Sports]: To record sports scenes such as tennis or golf.
    c. [Snow]: To record in bright ski resorts without the subject being underexposed
    d. [Night Scene]: To record nightscapes with lower noise.
    e. [Beach]: To record on a sunny beach without the subject being underexposed.
    f. [Sunset]: To record sunsets in vibrant colors.
    g. [Low Light]: To record in low-light situations.
    h. [Spotlight]: To record spotlit scenes.
    i. [Fireworks]: To record fireworks.
    j. [Underwater]: To record underwater scenes in natural colors.
    k. [Surface]: To record after getting out of the water, such as on a boat after diving.

12. Cinema Mode: Give a cinematic look to your recordings by using the Cine Mode recording program. Combine this recording program with the 24 fps progressive frame rate to get the enhanced effect of the 24p Cinema Mode.
    a. [FUNC.] > [Rec. Programs] > [Cine Mode] > [X]
    b. To change the frame rate: [FUNC.] > [MENU] > [Frame Rate] > [PF24] or [24F] > [X]

13. Advanced Image Stabilization: The image stabilizer reduces camcorder blur (blur due to the camera moving) so you can get nice, stable shots. Select the image stabilization mode according to the shooting conditions.
    a. [FUNC.] > [Image Stabilizer] > Desired IS mode > [X]
    b. [Dynamic]: Compensates for a higher degree of camcorder shake, such as when shooting while walking, and is more effective as the zoom approaches full wide angle.
    c. [Standard] Compensates for a lower degree of camcorder shake, such as when shooting while remaining stationary, and is suitable for shooting natural-looking scenes. Use this setting when recording movies with the optional Wide-converter or Tele-converter.
14. **Face Detection**: The camcorder automatically detects people’s faces and uses this information to select the optimal settings for beautiful videos and photos. By default, face detection is activated. If the function was turned off, perform the following procedure to turn it on.
   a. [FUNC.] > [MENU] > video/photo icon > [Face Detection & Tracking] > [On] > [X]

15. Other available features: Touch & Track (for tracking other objects such as pets), Video Snapshots, Digital Effects (Black & White, Sepia, Fade Trigger and Wipe Out), Manually setting shutter speed and aperture, Exposure adjustment, White balance adjustment, etc. View the manual online at usa.canon.com to view complete instructions for all features.

16. **Using Headphones**: Use headphones for playback or to check the audio level while recording. The headphones are connected to the AV OUT terminal, which is used for both the headphones and the audio/video output. Before connecting the headphones, follow the procedure below to change the function of the terminal from AV output to headphones output.
   a. [FUNC.] > [MENU] > tools > [AV/Headphones] > [Headphones]
   b. To continue adjusting the volume: [Volume] > drag your finger left and right along the volume bar to adjust the volume > [X]

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**Basic Features:**
- Video Resolution: 1920 x 1080
- Still-image Resolution: 3.3 Megapixels
- Flash Memory Storage
- Touch Panel LCD Screen
- Face Detection/ Touch & Track options
- 24p and 30p Frame Modes
- Available Accessories: Tripod, SD Card, headphones, lavalier or wireless microphones, Audio-Technica Pro 44 microphone, Westcott Reflector Kit
- Note: a separate microphone is always recommended in order to obtain good sound quality.
- Circulation Requirements: Must be a CNU student or faculty member and complete Equipment Loan Waiver
- Loan Period: 2 days
- For more information about this camcorder, visit http://www.usa.canon.com/cusa/consumer/products/camcordervixia_hf_m300#Features

**Available Accessories:**
- Tripod
- SD Card
- Headphones
- Microphone (Lavalier, Wireless)
- Westcott Reflector Kit
Kit Includes:

- Camcorder Unit
- USB Cable
- AC Adapter

Entire Kit: