Canon XA-25 Orientation

Davis Media Access
Canon XA-25

- 1920 x 1080 Full HD camera
- 35mm equivalent of 26.8mm Wide-angle -> 576mm Zoom, 20x
- 60cm (2ft); 1cm at full wide Minimum Focusing distance
- Both stereo XLR mic connectors and 3.5mm mini jack audio in
- Uses SD, SDHC, or SDXC cards, Class 6 or 10, also UHS-I
Mandatory Stupid Internet Meme Photo
What we are going to cover

1. Where are the controls?
2. Turning it On and Off
3. Memory Cards (formatting, capacities, brands)
4. Display options (battery levels, audio meters, markers, etc.)
5. How to set up and shoot Auto Mode
6. Manual Mode
7. Controlling Audio
8. Shooting Fast & Slow Motion
9. Cinema Mode
10. White Balance
What we aren’t going to cover

- Advanced codec discussions (AVCHD vs MP4 vs ProRes)
- Relay, Dual format, Infrared and Pre recording
- Recording to external devices (Ninja, BlackMagic, etc.)
- Use of external monitors
- Face tracking
- Digital Zoom

- Advanced Image Effects & Exposure adjustments
- Taking Photos
- Wi-fi functions (camera does NOT stream via Wi-fi)
- In camera clip editing and management
- Composition and Content skills

- Read The Manual!
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1. Where are the controls?
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A. Camera power
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B. Access Light
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C. Operating Mode (Auto, Manual, Cinema)
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D. Card Slots, Display Options
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E. Lens Hood
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F. Diopter Control (if you wear glasses)
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G. Audio Controls
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H. Basic A/V Out, DC Power In
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I. Headphones, 3.5mm Mic Input, Advanced A/V Out
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J. A/F Button
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K. Custom Wheel, Zoom/Focus Ring
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FASCINATING.
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2. Turning it on and off

ALWAYS make sure Access Light is OFF!

- BEFORE Removing or inserting memory cards!
- BEFORE Switching Modes!
- BEFORE Unplugging or plugging in power cord!
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3. Memory Cards

- Uses SD, SDHC, and SDXC memory cards
- Want to use Class 6 or preferably Class 10 cards
- UHS-I is a newer designation of Class 10 or higher
- Same rating, different speeds?
- SanDisk, Toshiba, Panasonic are Canon’s recommendations
- Bigger cards = longer record times, also = longer transfer times
- Use Initialize SD command to format card
Using the Initialize SD command to format a card

1. Insert the card you wish to format (you're going to lose everything on it!)
2. Provide power to the camera (battery or cord)
3. Set the Camera Mode to Media (turns it on)
4. Press Menu on the screen
5. Press Recording Settings Tab
6. Press Initialize SD to select, then blank button to right
7. Select the slot containing the card (A or B)
8. Press Initialize

To Cancel something Press X button in upper right corner
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3. Memory Cards, cont’d

Please remove your footage before turning in camera!

- You are responsible for removing your footage right away!

- You can Initialize (thus erasing) the DMA card
- If you want to format the card on your computer, READ THE MANUAL! Especially if you are using a SDXC card

To Cancel something Press X button in upper right corner
**Canon XA-25**

3. Memory Cards, cont’d

pg. 48 has by card capacities (must coordinate with battery life)

<table>
<thead>
<tr>
<th>Memory card</th>
<th>Recording mode →</th>
<th>Approximate recording times for AVCHD movies</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>28 Mbps LPCM (59.94P) and 28 Mbps (59.94P)</td>
<td>24 Mbps LPCM and 24 Mbps</td>
</tr>
<tr>
<td>8 GB Memory card</td>
<td>35 min.</td>
<td>40 min.</td>
</tr>
<tr>
<td>16 GB Memory card</td>
<td>1 hr. 15 min.</td>
<td>1 hr. 25 min.</td>
</tr>
<tr>
<td>32 GB Memory card</td>
<td>2 hr. 30 min.</td>
<td>2 hr. 55 min.</td>
</tr>
<tr>
<td>64 GB Memory card</td>
<td>5 hr. 5 min.</td>
<td>5 hr. 55 min.</td>
</tr>
<tr>
<td>128 GB Memory card</td>
<td>10 hr. 10 min.</td>
<td>11 hr. 55 min.</td>
</tr>
</tbody>
</table>

For MP4 movies:

<table>
<thead>
<tr>
<th>Memory card</th>
<th>Recording mode →</th>
<th>35 Mbps (59.94P)</th>
<th>24 Mbps</th>
<th>17 Mbps</th>
<th>4 Mbps</th>
<th>3 Mbps</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 GB Memory card</td>
<td>30 min.</td>
<td>40 min.</td>
<td>1 hr.</td>
<td>4 hr. 20 min.</td>
<td>5 hr. 40 min.</td>
<td></td>
</tr>
<tr>
<td>16 GB Memory card</td>
<td>1 hr.</td>
<td>1 hr. 25 min.</td>
<td>2 hr. 5 min.</td>
<td>8 hr. 40 min.</td>
<td>11 hr. 25 min.</td>
<td></td>
</tr>
<tr>
<td>32 GB Memory card</td>
<td>2 hr.</td>
<td>2 hr. 55 min.</td>
<td>4 hr. 10 min.</td>
<td>17 hr. 20 min.*</td>
<td>22 hr. 55 min.*</td>
<td></td>
</tr>
<tr>
<td>64 GB Memory card</td>
<td>4 hr.</td>
<td>5 hr. 55 min.</td>
<td>8 hr. 20 min.</td>
<td>34 hr. 45 min.*</td>
<td>45 hr. 55 min.*</td>
<td></td>
</tr>
<tr>
<td>128 GB Memory card</td>
<td>8 hr.</td>
<td>11 hr. 55 min.</td>
<td>16 hr. 45 min.*</td>
<td>69 hr. 30 min.*</td>
<td>91 hr. 55 min.*</td>
<td></td>
</tr>
</tbody>
</table>

* A single scene can be recorded continuously for 12 hours; at that point, the camcorder will stop.
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3. Memory Cards, cont’d

pg. 176 in manual, Battery Capacities

<table>
<thead>
<tr>
<th>Battery pack</th>
<th>Recording mode</th>
<th>Recording (maximum)</th>
<th>Recording (typical)*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>OLED</td>
<td>Viewfinder</td>
</tr>
<tr>
<td>BP-820</td>
<td>28 Mbps LPCM (59.94P) / 28 Mbps (59.94P)</td>
<td>140 min.</td>
<td>140 min.</td>
</tr>
<tr>
<td></td>
<td>24 Mbps LPCM / 24 Mbps</td>
<td>150 min.</td>
<td>150 min.</td>
</tr>
<tr>
<td></td>
<td>17 Mbps</td>
<td>150 min.</td>
<td>150 min.</td>
</tr>
<tr>
<td></td>
<td>5 Mbps</td>
<td>155 min.</td>
<td>155 min.</td>
</tr>
<tr>
<td>BP-828</td>
<td>28 Mbps LPCM (59.94P) / 28 Mbps (59.94P)</td>
<td>210 min.</td>
<td>210 min.</td>
</tr>
<tr>
<td></td>
<td>24 Mbps LPCM / 24 Mbps</td>
<td>220 min.</td>
<td>220 min.</td>
</tr>
<tr>
<td></td>
<td>17 Mbps</td>
<td>225 min.</td>
<td>225 min.</td>
</tr>
<tr>
<td></td>
<td>5 Mbps</td>
<td>230 min.</td>
<td>230 min.</td>
</tr>
</tbody>
</table>
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4. Display options
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4. Display options, cont’d

To Display Audio Meters, Press FUNC item

Scroll down, Choose Mic Level

And Choose Audio Level Indicator
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4. Display options

To Set OLED Brightness

Press FUNC item

Then Press MENU item

Press SYSTEM SETTINGS Tab

And Choose OLED Brightness
Auto Mode is the easiest way to get good picture and decent sound

You can control the Audio scene (via FUNC item), but there are no audio meters

- You need to set up a Recording Format (AVCHD or MP4)
- You need to set up a Recording Mode (Quality level, 24Mbps or 17Mbps)
- You need to set up a Frame Rate (59.94i or 23.98p)
When in Auto Mode:

Press FUNC item

Then Press MENU item

Press RECORDING SETTINGS Tab

And Choose Movie Format

Pick AVCHD for Broadcast Quality
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5. Setting Up & Shooting Auto Mode, cont’d

Return to RECORDING SETTINGS Tab

And Choose Recording Mode

Pick 24 Mbps LPCM to get Broadcast Quality Audio (48kHz, stereo, uncompressed)
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5. Setting Up & Shooting Auto Mode, cont’d

Return to RECORDING SETTINGS Tab

Scroll Down and Choose Frame Rate

Pick 59.94i for Broadcast Compatible clips, (or 23.98p for more Movie-like quality)
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6. Manual Mode

Manual Mode lets you control all sorts of options:

• You can set visible Audio Meters to monitor levels
• You can turn off IS when using a tripod (smoother pans)
• You can choose all sorts controls from FUNC item to control picture and audio quality (exposure, gain control, white balance, etc.)
• You can control the auto focus and manual focus better
• You can fine tune Sharpness, Brightness, Contrast via Image Effects
• You can fine tune Audio through various options
Mandatory Stupid Internet Meme Photo #4
To set Audio control to Automatic in Manual Mode:

PressFUNC item

Scroll down,
Choose Mic Level

Pick Auto (A) or (M)

You can only set it to M if there is a Mic attached
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7. Controlling Audio, cont’d

Note the ON/OFF Switch in the Middle

You won’t get Audio from the Handle’s XLR inputs unless that switch is ON!
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8. Shooting Fast & Slow Motion

To shoot Fast or Slow Motion Videos you must use MP4 & Class 10 SD card

When in Auto or Manual Mode ONLY:

Press FUNC item

Then Press MENU item

Press RECORDING SETTINGS Tab

And Choose Movie Format

Pick MP4 for Fast or Slow Motion
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8. Shooting Fast & Slow Motion

To shoot Fast or Slow Motion Videos you must use MP4 & Class 10 SD card

Return to RECORDING SETTINGS Tab

Scroll Down and Choose Slow & Fast Motion

Pick a frame rate that is faster than your current rate to Slow down footage (OR pick a frame rate that is slower to get Faster).

So if you are shooting 23.98p, pick 29.97p or 59.94p to get Slow Motion.

*There are better options in post-prod to speed up footage.
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9. Cinema Mode

Use the physical button to get Cinema Mode:

The Best Settings for Cinema Mode:

- Movie Format = AVCHD
- Recording Mode = 24 Mbps
- Frame Rate = 23.98 fps

Use FILTER control to get various looks
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9. Cinema Mode, cont’d

- Standard
- Vivid
- Dream
- Cool
- Nostalgic
- Sepia
- Old Movies
- Memory
- Dramatic B&W
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10. White Balance

White balance is available via FUNC in Manual and Cinema Modes

Two types of Fluorescent balance
  Cool white traditional
  Warm modern H (daylight bulbs)

Can use Set 1 and Set 2 to white balance under colored lighting
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You are now a Master Filmmaker!