

# 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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## I. Where are the controls?





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## A. Camera power





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## B. Access Light





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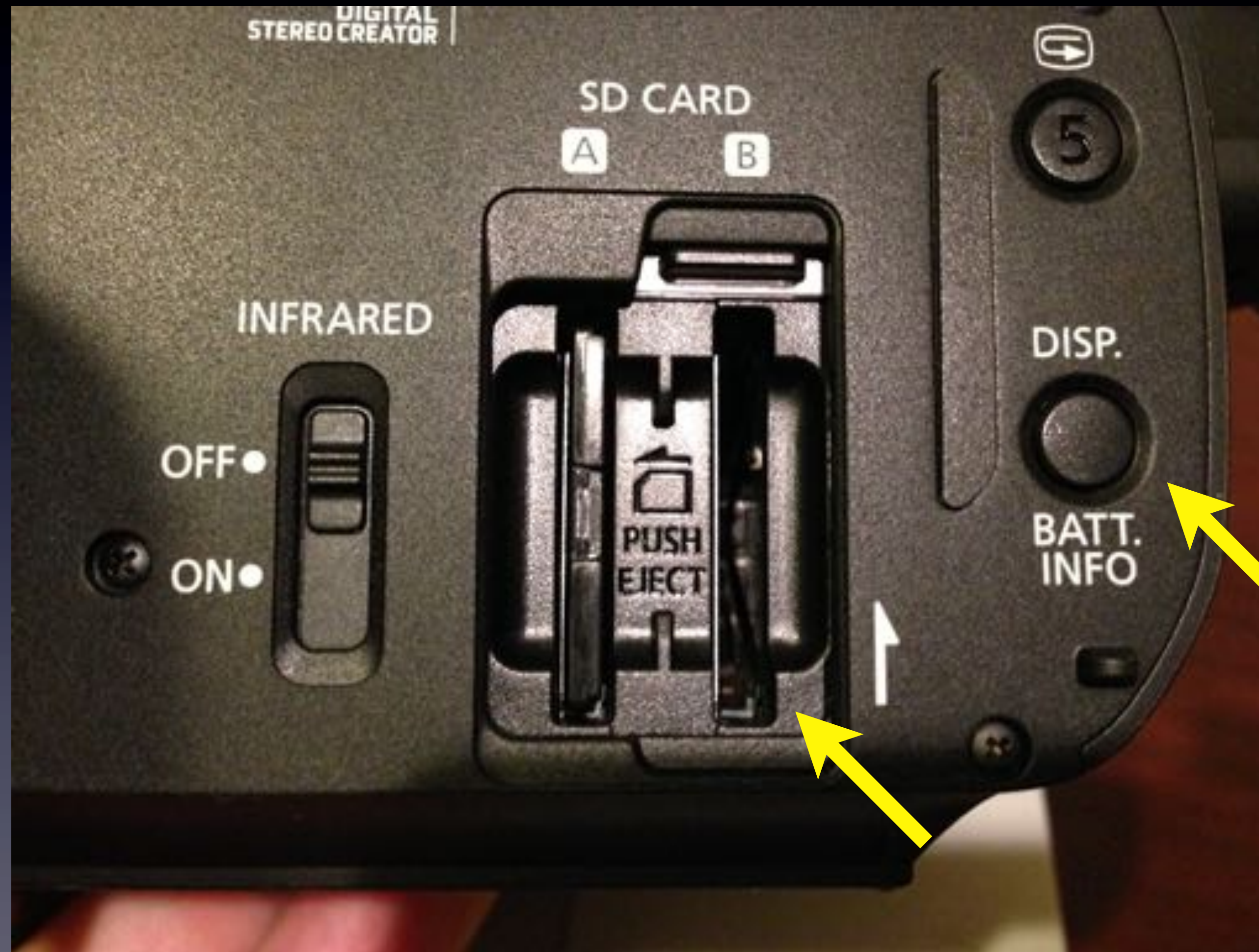
C. Operating Mode (Auto, Manual, Cinema)





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## D. Card Slots, Display Options





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E. Lens Hood



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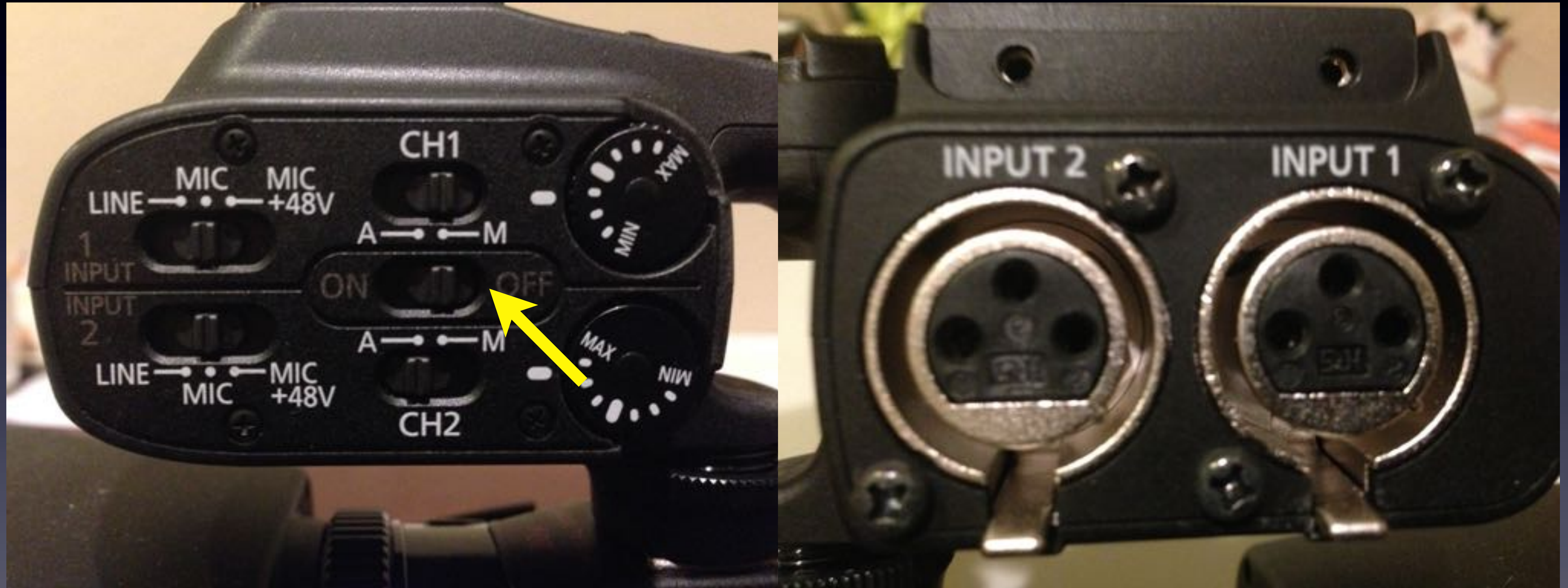
F. Diopter Control (if you wear glasses)





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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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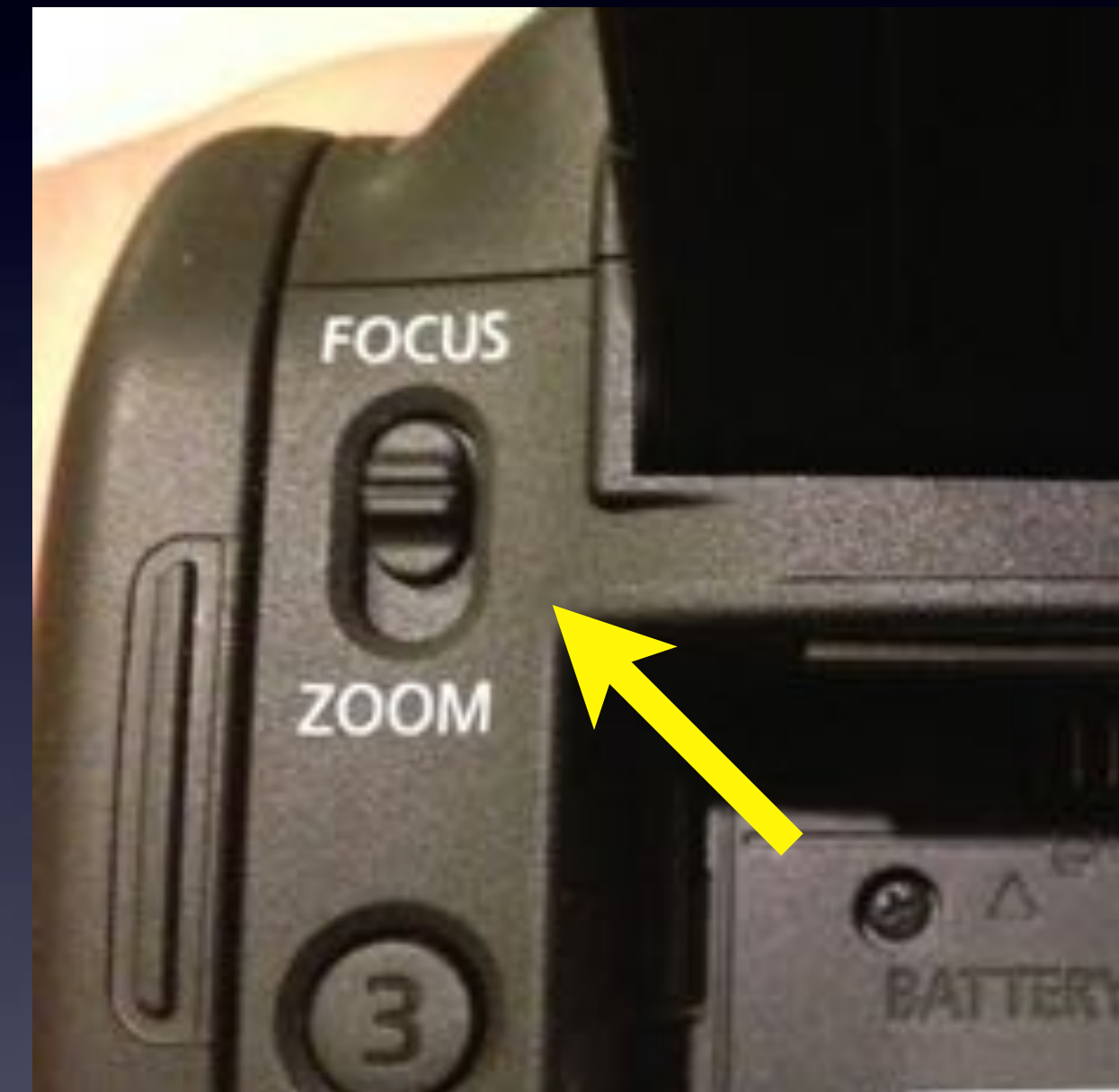
J. A/F Button





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K. Custom Wheel, Zoom/Focus Ring



# Mandatory Stupid Internet Meme Photo #2





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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





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## 3. Memory Cards, cont'd

### ***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



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## 3. Memory Cards, cont'd

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

| Approximate recording times   |   |                             |                 |                 | Default         |
|---|---|-----------------------------|-----------------|-----------------|-----------------|
| For AVCHD movies:   |   |                             |                 |                 | 2 S             |
| Recording mode →  | 28 Mbps LPCM<br>(59.94P) and<br>28 Mbps<br>(59.94P) | 24 Mbps LPCM<br>and 24 Mbps | 17 Mbps         | 5 Mbps          | 3               |
| Memory card ↓   |   |                             |                 |                 |                 |
| 8 GB Memory card  | 35 min.   | 40 min.                     | 1 hr.           | 3 hr.           |                 |
| 16 GB Memory card   | 1 hr. 15 min.                                       | 1 hr. 25 min.               | 2 hr. 5 min.    | 6 hr. 5 min.    |                 |
| 32 GB Memory card   | 2 hr. 30 min.                                       | 2 hr. 55 min.               | 4 hr. 10 min.   | 12 hr. 15 min.* |                 |
| 64 GB Memory card   | 5 hr. 5 min.  | 5 hr. 55 min.               | 8 hr. 20 min.   | 24 hr. 30 min.* |                 |
| 128 GB Memory card  | 10 hr. 10 min.                                      | 11 hr. 55 min.              | 16 hr. 45 min.* | 49 hr.*         |                 |
| For MP4 movies:   |   |                             |                 |                 |                 |
| Recording mode →  | 35 Mbps<br>(59.94P)                                 | 24 Mbps                     | 17 Mbps         | 4 Mbps          | 3 Mbps          |
| Memory card ↓   |   |                             |                 |                 |                 |
| 8 GB Memory card  | 30 min.   | 40 min.                     | 1 hr.           | 4 hr. 20 min.   | 5 hr. 40 min.   |
| 16 GB Memory card   | 1 hr.   | 1 hr. 25 min.               | 2 hr. 5 min.    | 8 hr. 40 min.   | 11 hr. 25 min.  |
| 32 GB Memory card   | 2 hr.   | 2 hr. 55 min.               | 4 hr. 10 min.   | 17 hr. 20 min.* | 22 hr. 55 min.* |
| 64 GB Memory card   | 4 hr.   | 5 hr. 55 min.               | 8 hr. 20 min.   | 34 hr. 45 min.* | 45 hr. 55 min.* |
| 128 GB Memory card  | 8 hr.   | 11 hr. 55 min.              | 16 hr. 45 min.* | 69 hr. 30 min.* | 91 hr. 55 min.* |
| * 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

| XA25 Recording AVCHD movies |  |                     |            |                      |            |          |
|-----------------------------|--|---------------------|------------|----------------------|------------|----------|
| Battery pack                | Recording mode                           | Recording (maximum) |            | Recording (typical)* |            | Playback |
|                             |  | OLED                | Viewfinder | OLED                 | Viewfinder | OLED     |
| BP-820                      | 28 Mbps LPCM (59.94P) / 28 Mbps (59.94P) | 140 min.            | 140 min.   | 85 min.              | 85 min.    | 220 min. |
|                             | 24 Mbps LPCM / 24 Mbps                   | 150 min.            | 150 min.   | 90 min.              | 90 min.    | 230 min. |
|                             | 17 Mbps                                  | 150 min.            | 150 min.   | 90 min.              | 90 min.    | 235 min. |
|                             | 5 Mbps                                   | 155 min.            | 155 min.   | 90 min.              | 90 min.    | 240 min. |
| BP-828                      | 28 Mbps LPCM (59.94P) / 28 Mbps (59.94P) | 210 min.            | 210 min.   | 130 min.             | 130 min.   | 340 min. |
|                             | 24 Mbps LPCM / 24 Mbps                   | 220 min.            | 220 min.   | 135 min.             | 135 min.   | 350 min. |
|                             | 17 Mbps                                  | 225 min.            | 220 min.   | 140 min.             | 135 min.   | 350 min. |
|                             | 5 Mbps                                   | 230 min.            | 230 min.   | 140 min.             | 140 min.   | 355 min. |
| XA25 Recording MP4 movies   |  |                     |            |                      |            |          |



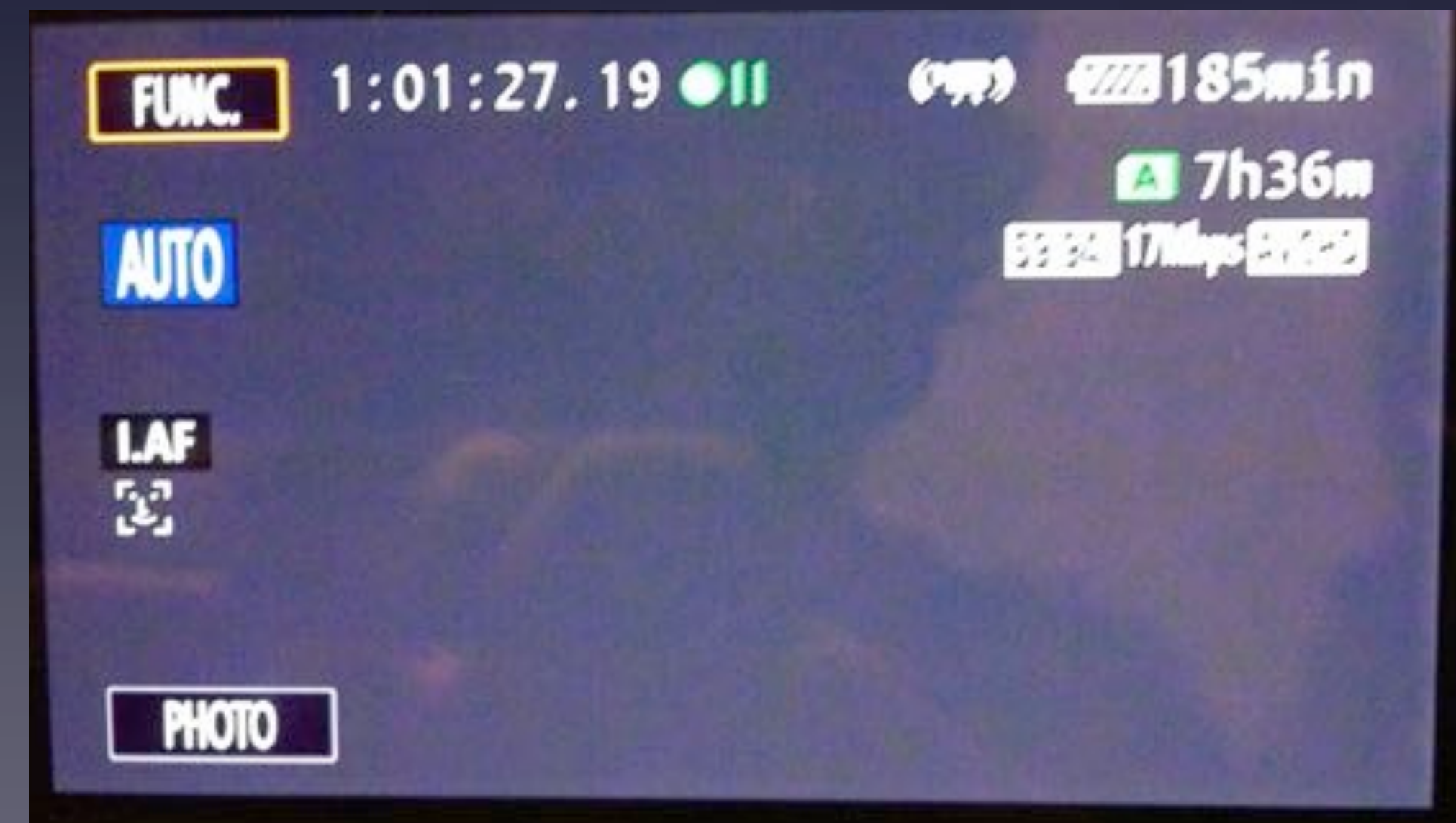
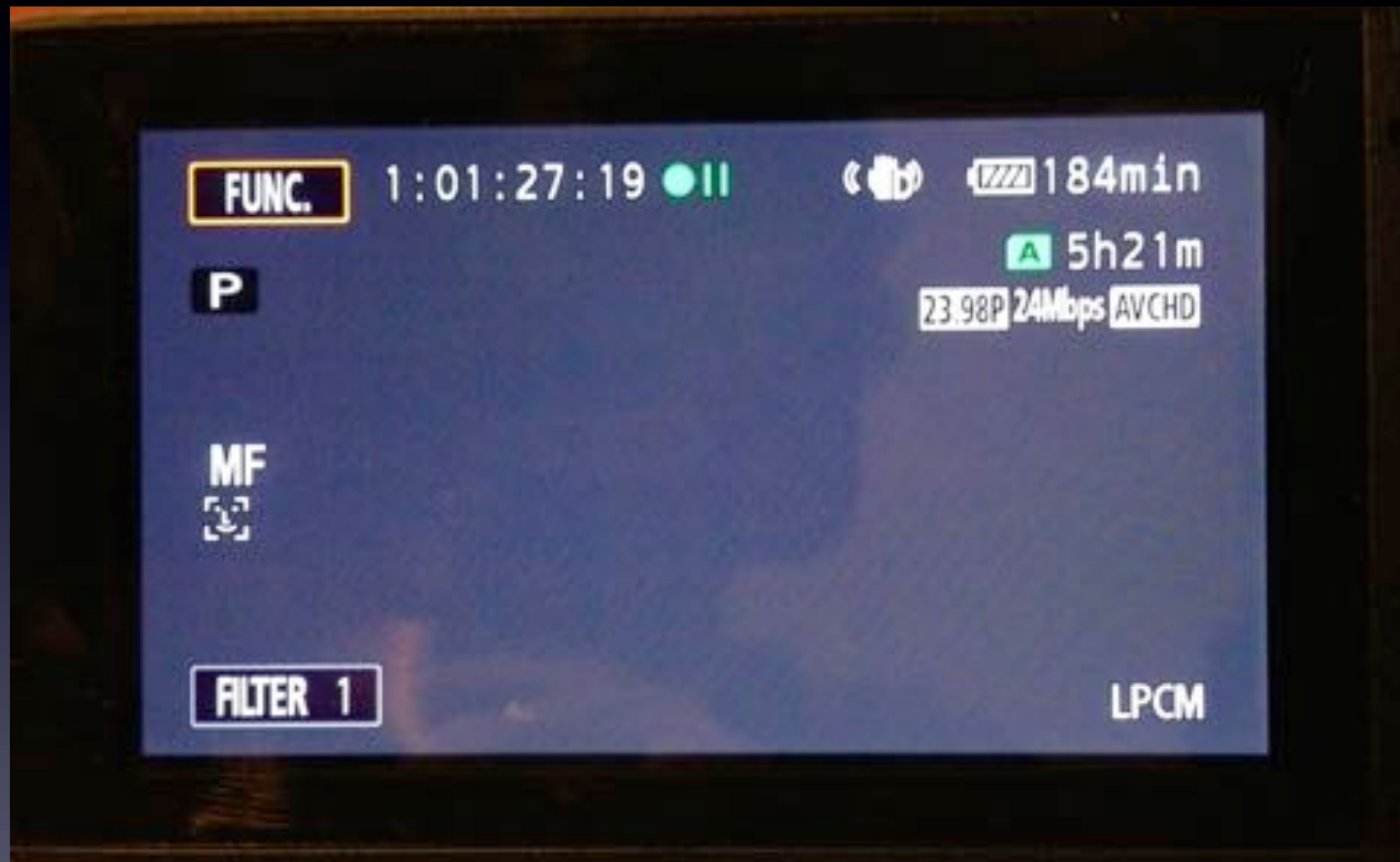
# Mandatory Stupid Internet Meme Photo #3





# Canon XA-25

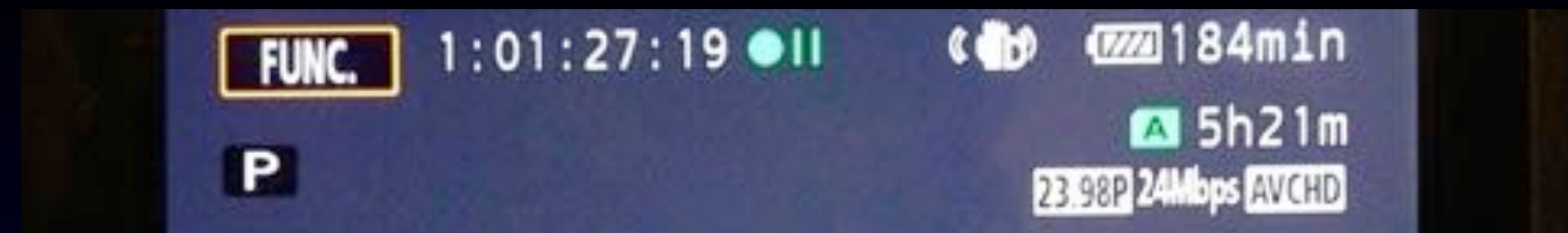
## 4. Display options





# Canon XA-25

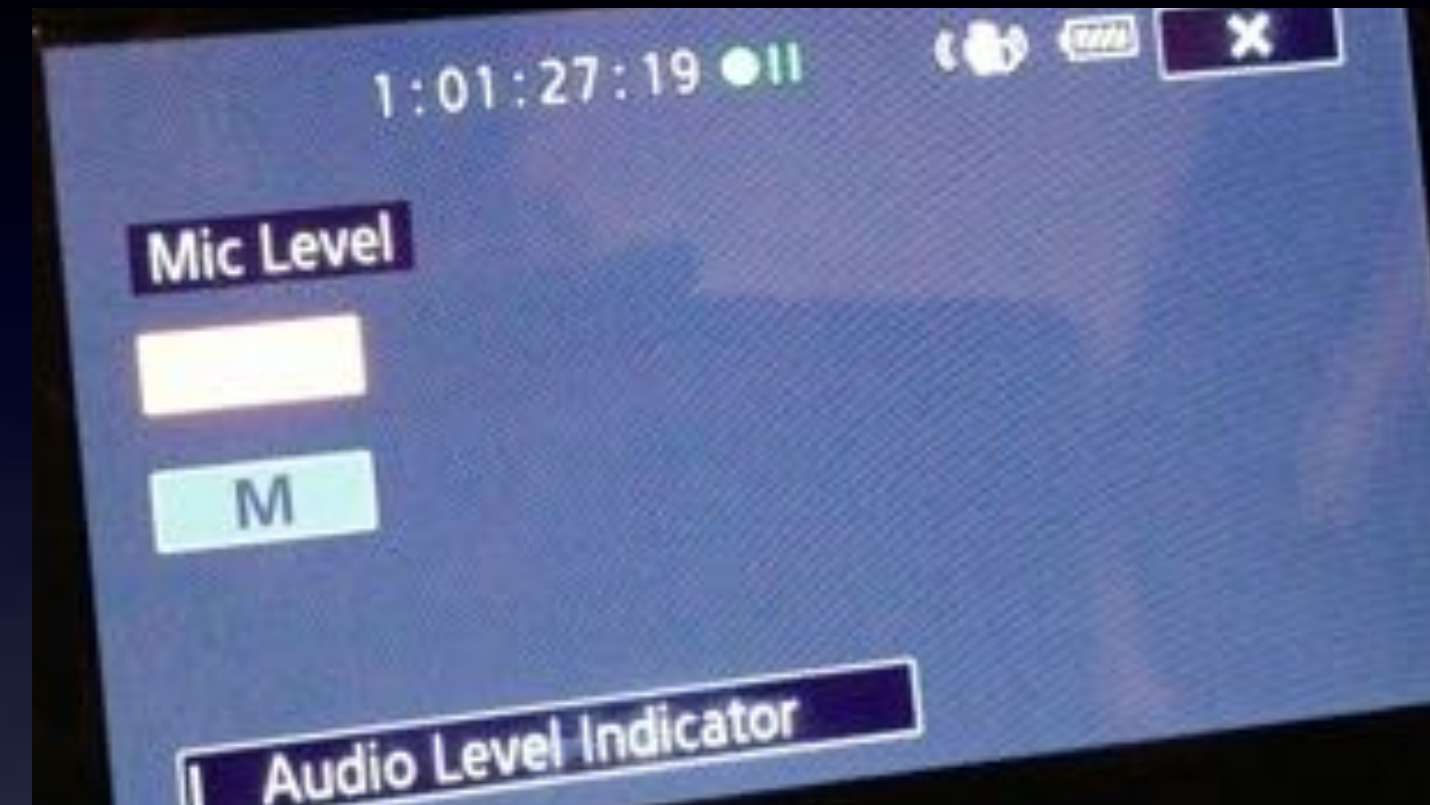
## 4. Display options, cont'd



To Display Audio Meters,  
Press FUNC item



Scroll down,  
Choose Mic Level



And Choose Audio Level Indicator

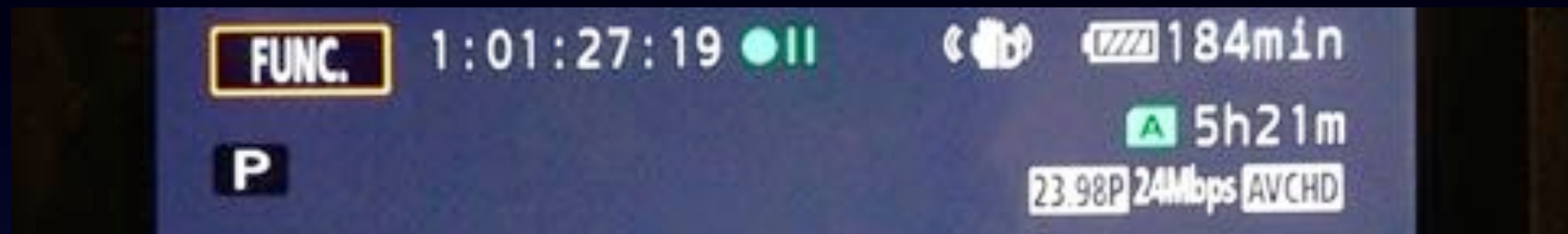




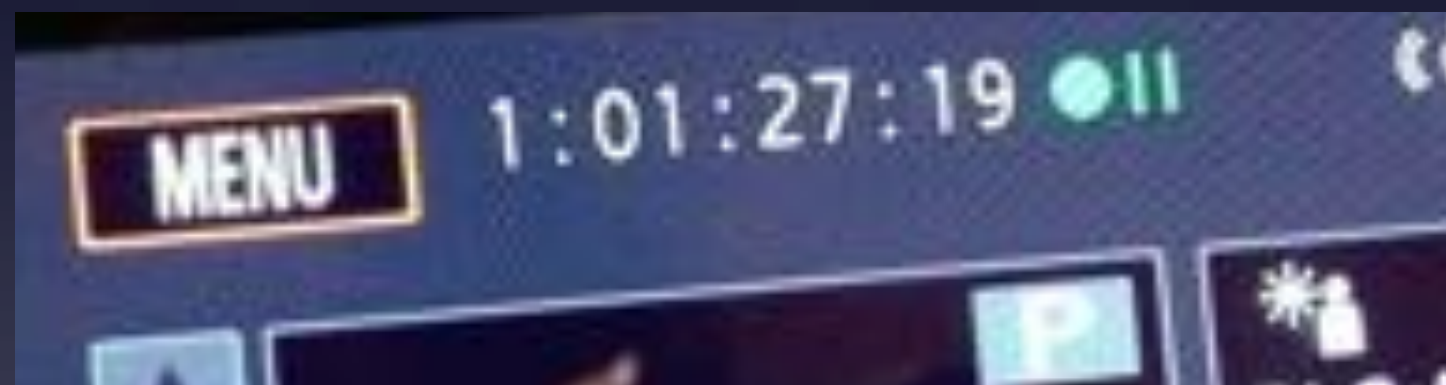
# Canon XA-25

## 4. Display options

To Set OLED Brightness



Press FUNC item



Then Press MENU item

Press SYSTEM SETTINGS Tab



And Choose OLED Brightness



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## 5. Setting Up & Shooting Auto Mode



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)

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## 5. Setting Up & Shooting Auto Mode, cont'd

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

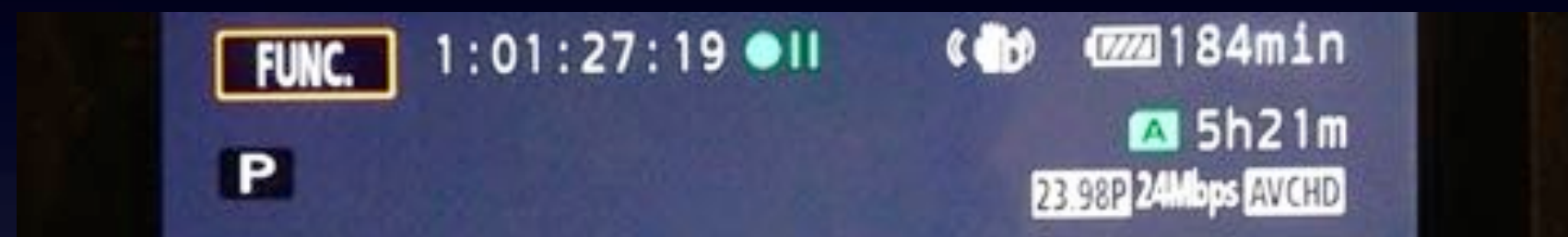




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## 7. Controlling Audio

To set Audio control to Automatic in Manual Mode:

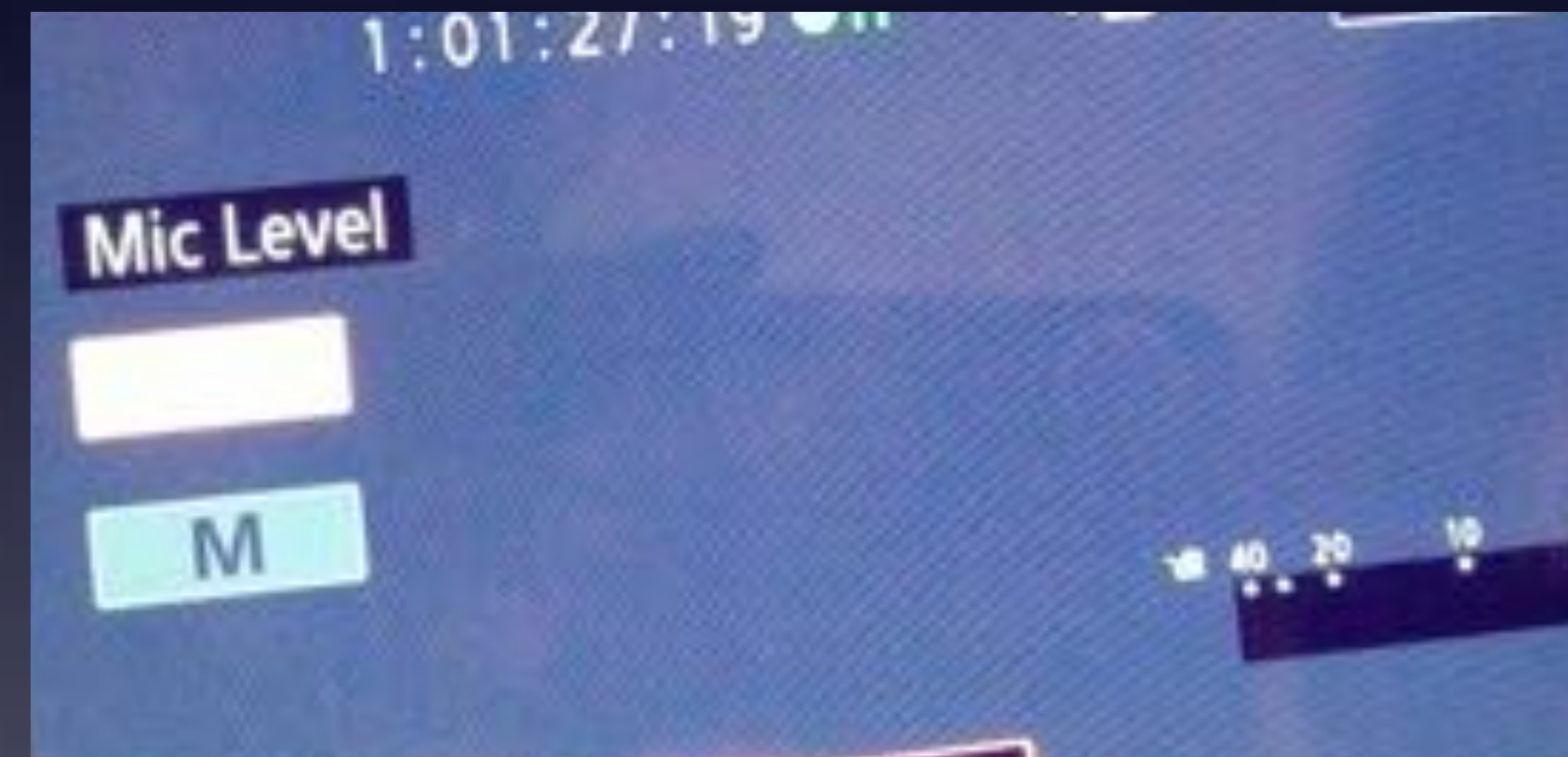


Press FUNC item



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

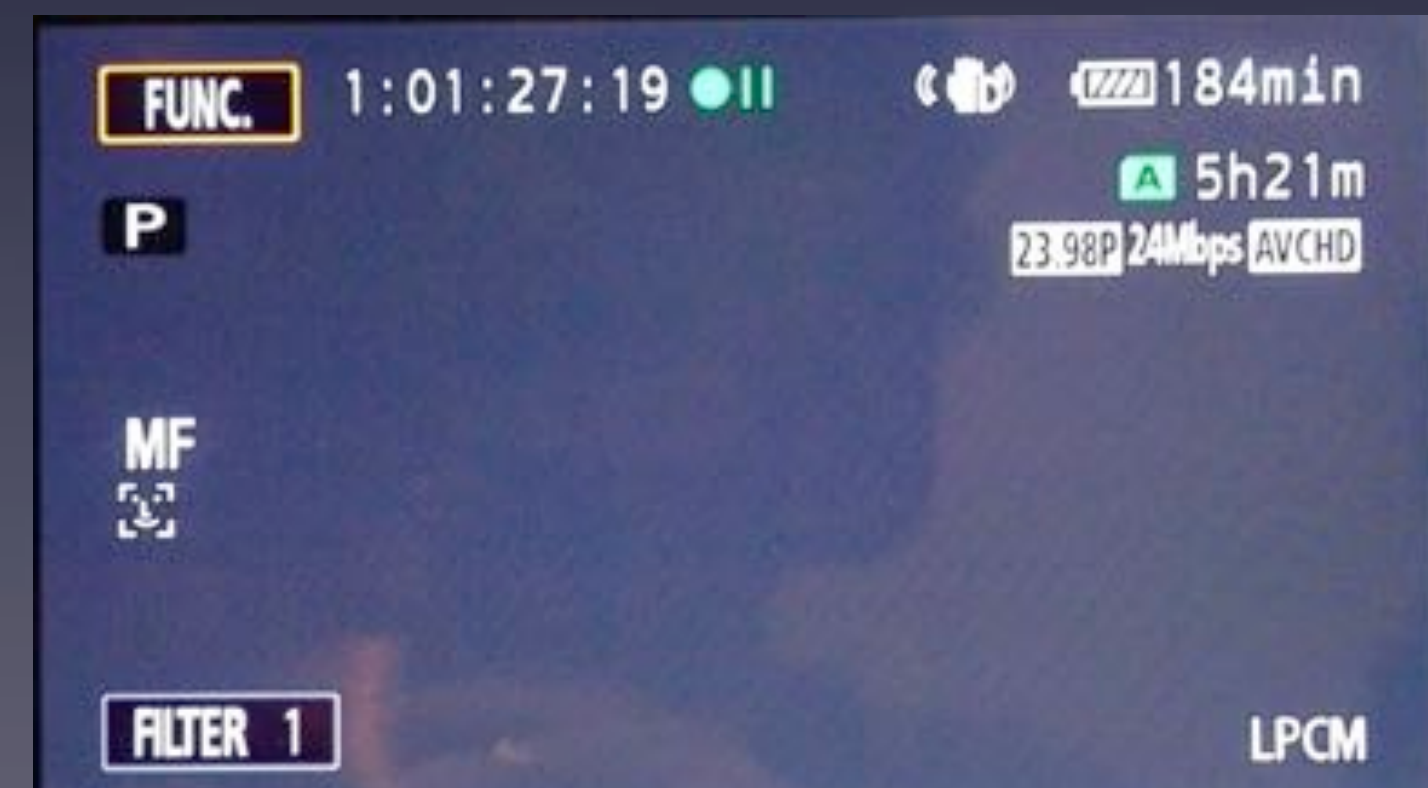
Use the physical button to get Cinema Mode:



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

# Mandatory Stupid Internet Meme Photo #5



You are now a Master Filmmaker!