



Silver Spring Camera Club

My Camera Purchase Process and DSLR vs Mirrorless

7/21 By Andrew Rein

My Camera Purchase Process and DSLR vs Mirrorless

A Short presentation followed by a panel discussion.



Please hold your questions and comments until the panel discussion portion.

All images are from the manufacturer's site unless marked otherwise.

Why Get a New Camera?

Do you have a need or a want?

I always hope something new will make me a better photographer. (It wont.)

But I try to think about what I really want or need.

Wants or Needs

- **Something lighter, faster, better resolution, more features?**



Wants or Needs

- ❑ **Already have a camera that uses interchangeable lenses?**



"Manual Focus Rules!" by ruifo is licensed under CC BY-NC-SA 2.0

Wants or Needs

- **Do you like to take pictures in low light?**



"Candle light" by Alesa Dam is licensed under CC BY-NC-SA 2.0

Wants or Needs

- **How do you feel about tripods? (I hate them.) Stabilizer feature can help keep handheld shots sharp.**

Canon lens with stabilizer



Wants or Needs

- ❑ **Do you like to use a viewfinder instead of the LCD panel to compose?**



Wants or Needs

□ Direct controls vs Menu Items?



Source: https://commons.wikimedia.org/wiki/File:Olympus_OM-D_E-M10_Mark_IV_24_Oct_2020e.jpg

Wants or Needs

- ❑ **Consider a fixed-lens camera, maybe an ultrazoom?**



Panasonic FZ200
18 oz!

Does size of camera and sensor matter?

Yes for:

- ❑ **Weight - larger is usually heavier, but some say better for large lenses**



Does size of camera and sensor matter?

Yes for:

- ❑ **Gripability - smaller is usually harder to hold, more important with larger and heavier lenses**



Olympus - Pen F by skagman is licensed under CC BY 2.0

Does size of camera and sensor matter?

Yes for:

- ❑ **Direct controls - larger camera allows for button space, less need to dive into menus**

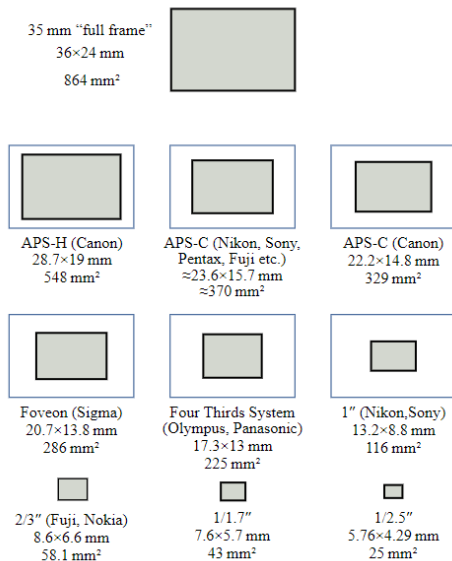


Panasonic G85

Does size of camera and sensor matter?

Yes for:

- ❑ **Low light digital noise - smaller sensor has more noise, but software matters too**



Does size of camera and sensor matter?

Yes for:

- ❑ **Lens size, weight (and cost?) - smaller sensor has smaller lens for same effective focal length**



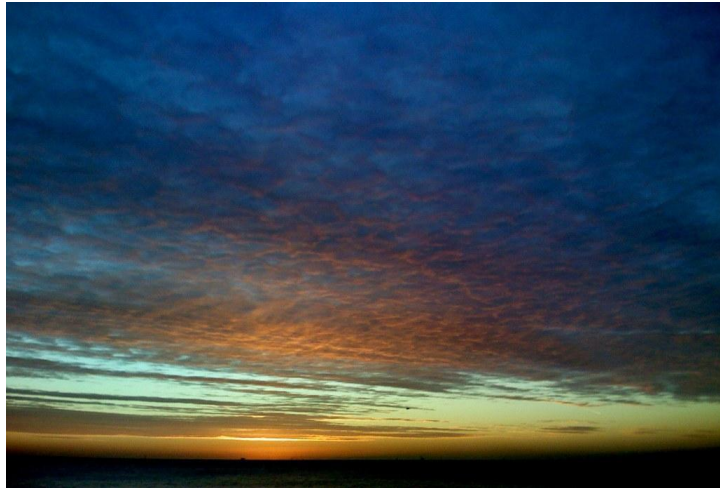
Panasonic FZ300

24 oz

Does size of camera and sensor matter?

No for:

- ❑ **Creating great images – phone cameras**



Claire Sambrook-Sunrise-Southsea-
2007-iphone

DSLR vs Mirrorless

DSLR (digital single lens reflex) cameras – the old guard

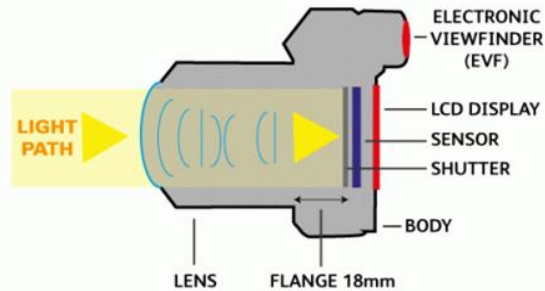
interchangeable lens, a mirror and optical viewfinder. The mirror needs to retract to allow the light from the lens to reach the sensor. More direct view from the lens? Longer battery life.

Mirrorless cameras – wave of the future?

can have interchangeable lens, but no mirror or optical viewfinder. The light from the lens goes directly to the sensor. May have an electronic viewfinder (evf) and an LCD display panel. If all things are equal a mirrorless camera can be smaller, lighter and quieter than a DSLR. Shorter battery life.

DSLR vs Mirrorless

Mirrorless (Sony A7rII)



DSLR (Canon 5D Mk III)

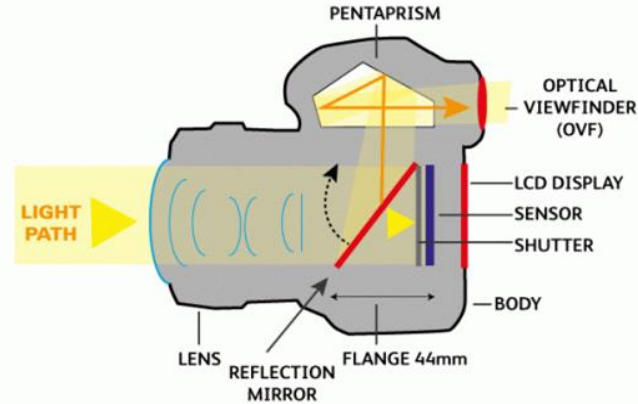


illustration © Mick Ryan/ fotoVUE

Source: <https://www.apotelyt.com/abc-i1d/milc-schema-960x640.jpg> accessed 7/6/21

Camera Comparison Tool

Comparometer Image Comparison Tool

<https://bit.ly/3hCoePS>

Display [Current](#) | [All Cameras](#)

Displaying: Currently Manufactured Cameras
Reselect camera to return to thumbnail list

Select First Camera ▼

Canon EOS R6

20.10 Megapixels ~ Zoom: 4.38x

[Check Prices \(Latest Average: \\$2499.00\)](#)

[Read Review](#)



Click on thumbnail to see larger image.



Still-life 50

Display [Current](#) | [All Cameras](#)

Displaying: Currently Manufactured Cameras
Reselect camera to return to thumbnail list

Select Second Camera ▼

Panasonic Lumix DMC-G85

16.00 Megapixels ~ Zoom: 5.00x

[Check Prices \(Latest Average: \\$897.99\)](#)

[Read Review](#)



Click on thumbnail to see larger image.

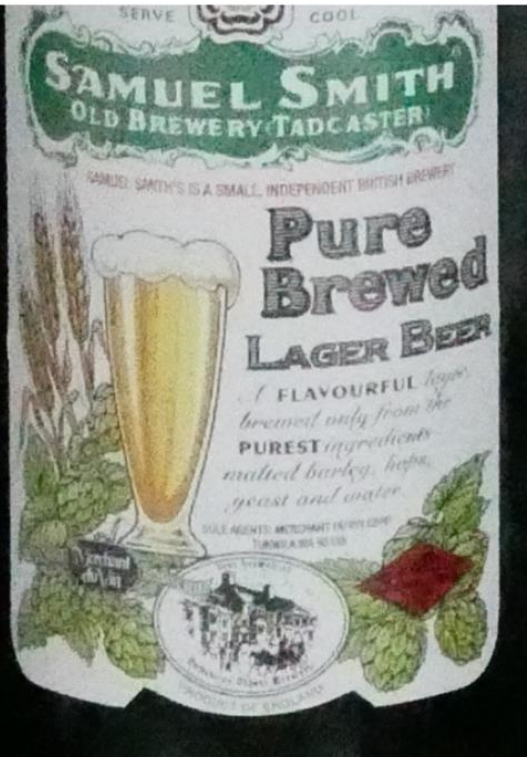


Canon R6 vs Panasonic G85 High ISO Comparison

Canon



Panasonic



Digital Camera Resources

"Comparometer" TM Image Comparison Page <https://bit.ly/3hCoePS>

Try reading and viewing some camera reviews.

Wirecutter: Best Mirrorless Cameras <https://nyti.ms/2Teemma>

Techradar: Best mirrorless camera 2021 <https://bit.ly/2UOD7FJ>

Imaging Resource <https://bit.ly/3wFLX5S>

Digital Photography Review offers buying guides <https://www.dpreview.com/>

TheCameraStoreTV videos show cameras in action <https://bit.ly/36FbTUE>

CameraLabs some videos <https://www.cameralabs.com/>



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Panel Discussion and Q & A with Pete, Will and Andrew

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