

Entry level, previous generation models, and sometimes two generations previous models (m4/3 + APS-C) are priced at \$400-700 for camera body + kit lens, sometimes with 2 lenses.

A few examples from B&H (Nov. 8, 2019):

- Nikon D3500 + 18-55mm lens \$400
  - Canon EOS Reel T7 + 18-55mm lens \$400
  - Fujifilm X-A10 + 16-50mm lens \$329
  - Fujifilm X-T100 + 15-45mm lens \$500
  - Canon EOS M100 + 15-45mm lens \$500
  - Sony a6000 + 16-50mm lens \$548
  - Pentax K-70 + 18-55mm lens \$647
  - Olympus OM-D E-M10 + 14-42mm lens \$499
  - Panasonic Lumix G7 + 14-42mm & 45-150mm \$746
- 
- Sony A7 Mark II + 28-70mm lens \$998 (FF mirrorless, current A7 is Mark IV)
  - Nikon D750 + 24-120mm lens \$1700 (FF DSLR)
  - Canon EOS RP + 24-240mm lens \$1500 (FF mirrorless)
  - Canon EOS 6D + 24-105mm lens \$1599 (FF DSLR)

## BEGINNER'S CORNER

November 2019 by Timothy Kant  
for the Wehr Nature Center Camera Club

=====

BLACK FRIDAY SALES are going on already.

## WHICH CAMERA SHOULD I BUY?

The truth is:

You can shoot great photos with any camera on the market today. A smartphone camera is always with you and is good enough for many ... but if you want a camera with interchangeable lenses ...



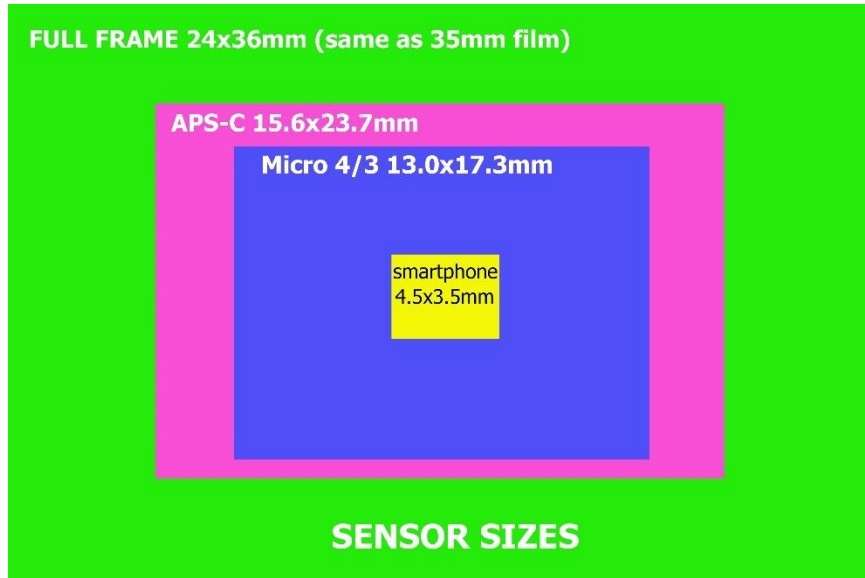
### Decision #1 – What is your budget?

\$ = Refurbished/Used

\$\$ = Micro 4/3 and APS-C

\$\$\$ = Full Frame

### Decision #2 – What sensor size?



A bigger sensor gathers more light.

A smaller sensor costs less, enables smaller camera.

A bigger sensor enables very shallow depth of field. A smaller sensor gives more DOF with the same lens.

FF = f2.8                      FF = f1.4

APS-C = f2.0                      APS-C = NA

m4/3 = f1.4                      m4/3 = NA

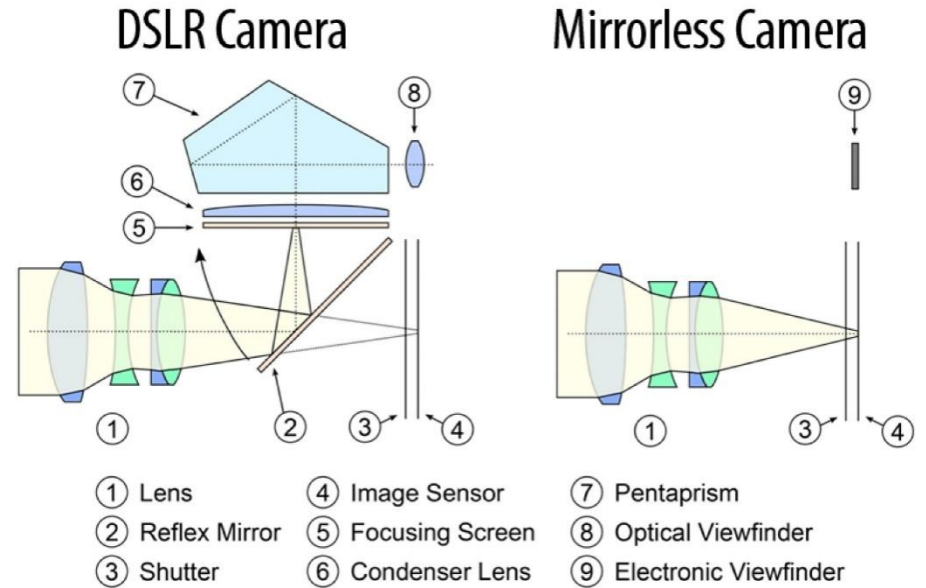
Crop Factor: Sensor size changes angle of view.

FF (CF =1.0x) 50mm lens

APS-C (CF = 1.5x) 50mm lens give angle of view like a 75mm

m4/3 (CF = 2.0x) 50mm lens gives angle of view like a 100mm

### Decision #3 – Which camera design? DSLR or Mirrorless



**Sony:** All models are mirrorless (FF + APS-C)

**Fujifilm:** All models are mirrorless (APS-C + medium format)

**Olympus & Panasonic:** All models are mirrorless (m4/3)

**Canon/Nikon:** Transitioning from DSLR to Mirrorless (FF + APS-C)

**Pentax:** DSLR (APS-C) ??