

# Mirrorless Cameras

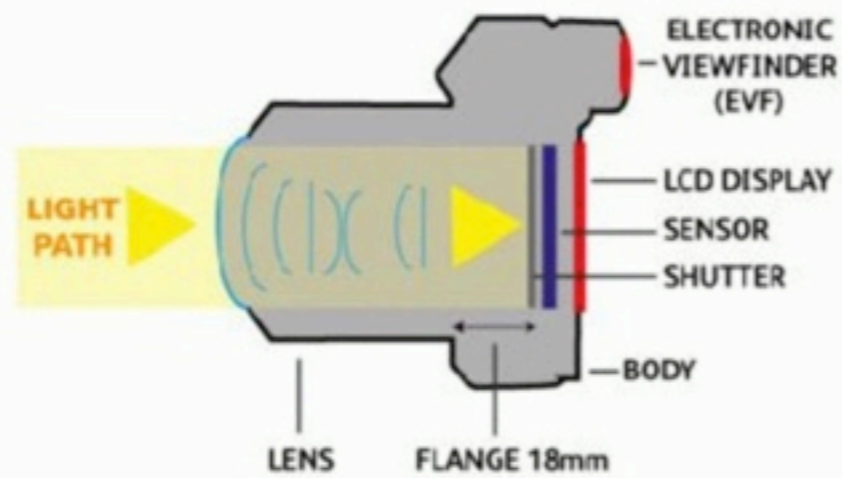
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[www.RMSP.com](http://www.RMSP.com)

# First mirrorless camera

- Panasonic G-1 (2008)

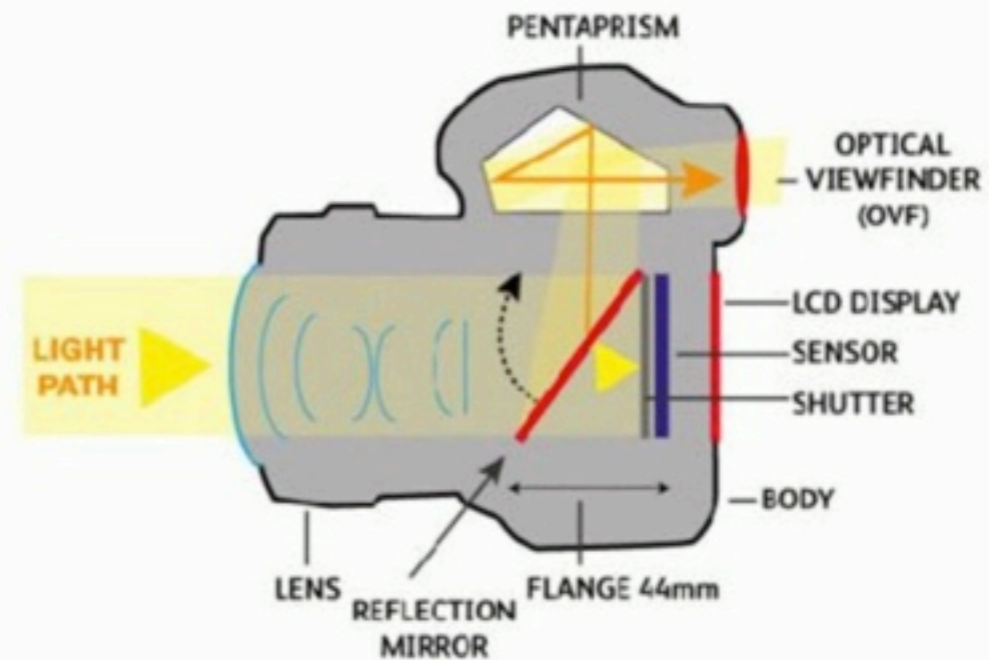
# Mirrorless

(Sony A7rII)



# DSLR

(Canon 5D Mk III)



# Brands of mirrorless cameras

- Canon full frame and crop sensor (1.6x)
- Sony full frame and crop sensor (1.5x)
- Nikon full frame and crop sensor (1.5x)
- Fuji crop sensor (1.5x)
- Panasonic full frame and micro four thirds (2x)
- Olympus (now JIP) micro four thirds (2x)

# Features of a mirrorless camera

- Size and weight
- Silent shutter option
- Much simpler design, so last longer and less expensive
- Less dust on sensor
- Adapter to fit most DSLR lenses

# Viewfinder features

- Always see 100% of your scene
- See exact exposure before you shoot
- See image in viewfinder as soon as you shoot
- Brighter image in viewfinder
- Can see depth of field as soon as you shoot

# Focus features

- Focus peaking
- Face and eye auto focus

# Features to consider when buying a new camera

- Professional or consumer body
- Sensor size
- Number of pixels
- FPS speed and performance
- Buffer
- Number of focus points
- Rear focus
- Wifi



# Features continued

- GPS
- Weatherproof
- Stabilization built in body
- Video
- Custom setting
- Vertical grip
- Lens selection

# A few important lens features

- Prime or zoom
- Speed of lens
- Weather resistant
- Stabilization
- Special glass
- Full time manual focus
- Focus limiter
- Close focus distance (1:1 is life size, 1:2 is half life size, etc)



## 300mm F4.0 IS PRO

(600mm : 35mm equivalent)

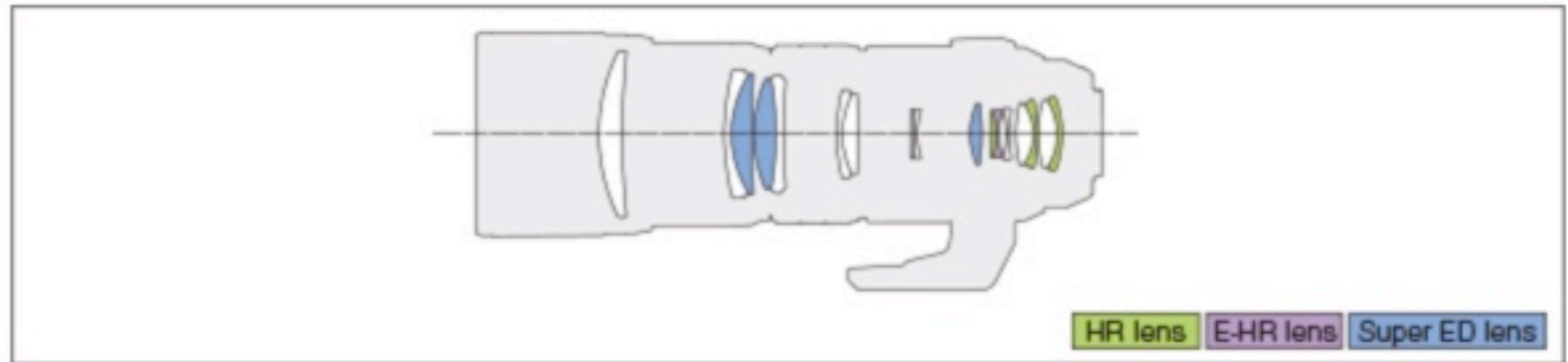
OLYMPUS : M.ZUIKO DIGITAL  
ED 300mm F4.0 IS PRO



### High-performance, super-telephoto lens

The powerful image stabilization and excellent mobility that makes hand-held shooting possible on a super-telephoto lens

- Lens construction = 17 elements in 10 groups
- Closest focusing distance = 1.4m / 55.12 in.
- Maximum image magnification = 0.24x (0.48x : 35mm equivalent)
- Filter size = 77mm
- Dimensions =  $\phi$ 92.5 x 227mm /  $\phi$ 3.6 x 8.9in.
- Weight = 1270g / 44.8 oz.
- Accessories = Lens Cap(LC-77B), Lens Rear Cap(LR-2), Lens Case(LSC-1127)



[Click here for details](#)

# How I expose with mirrorless

- Exposure mode (aperture preferred)
- Meter mode (the cameras smart metering)

- If the area you are metering seems pretty much 18% gray just set your aperture and the camera will set the shutter speed. If you want a faster shutter speed just raise your ISO.
- If the area you are metering is not 18% gray use exposure compensation to get correct exposure.

# Great websites

- [www.dpreview.com](http://www.dpreview.com)
- [www.bhphotovideo.com](http://www.bhphotovideo.com)
- [www.imaging-resource.com](http://www.imaging-resource.com)