

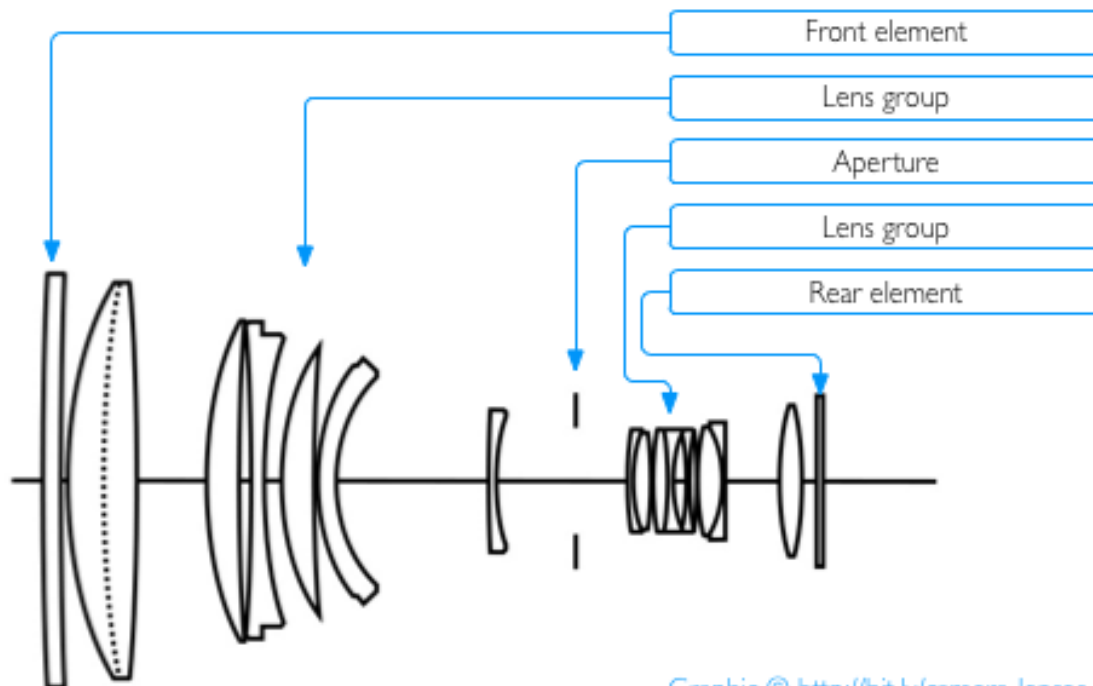
LENS



Lens

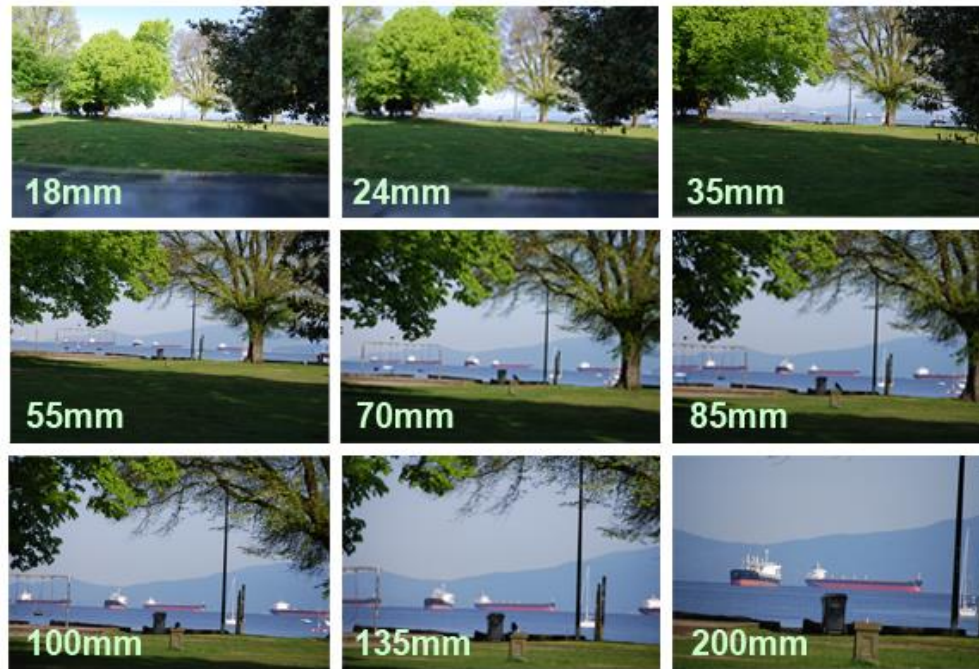
- Camera lens is the combination of different glass elements placed in front of each other

The Anatomy of a Lens - Interior



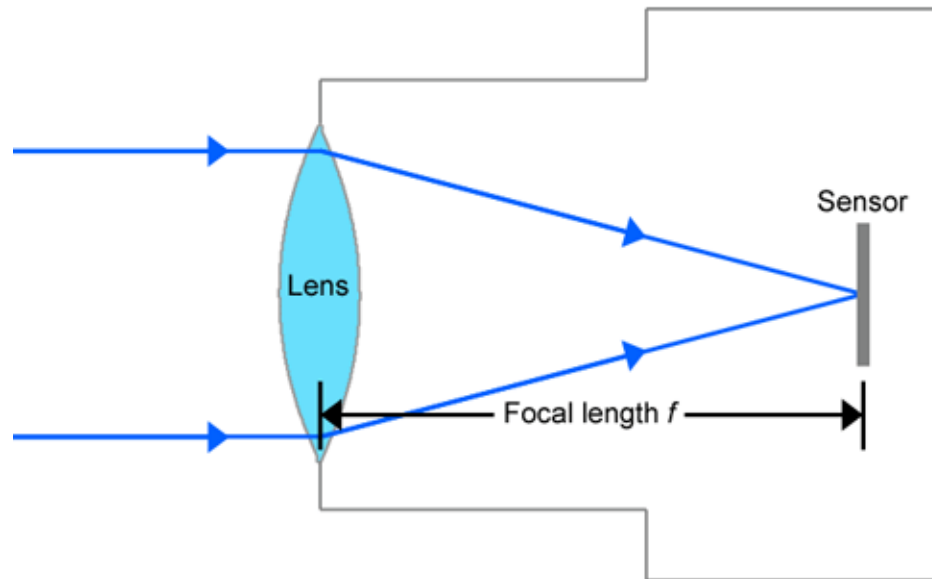
Focal Length

- Lenses are available in different focal lengths.
- The focal length determines how much of a scene is captured by the lens.



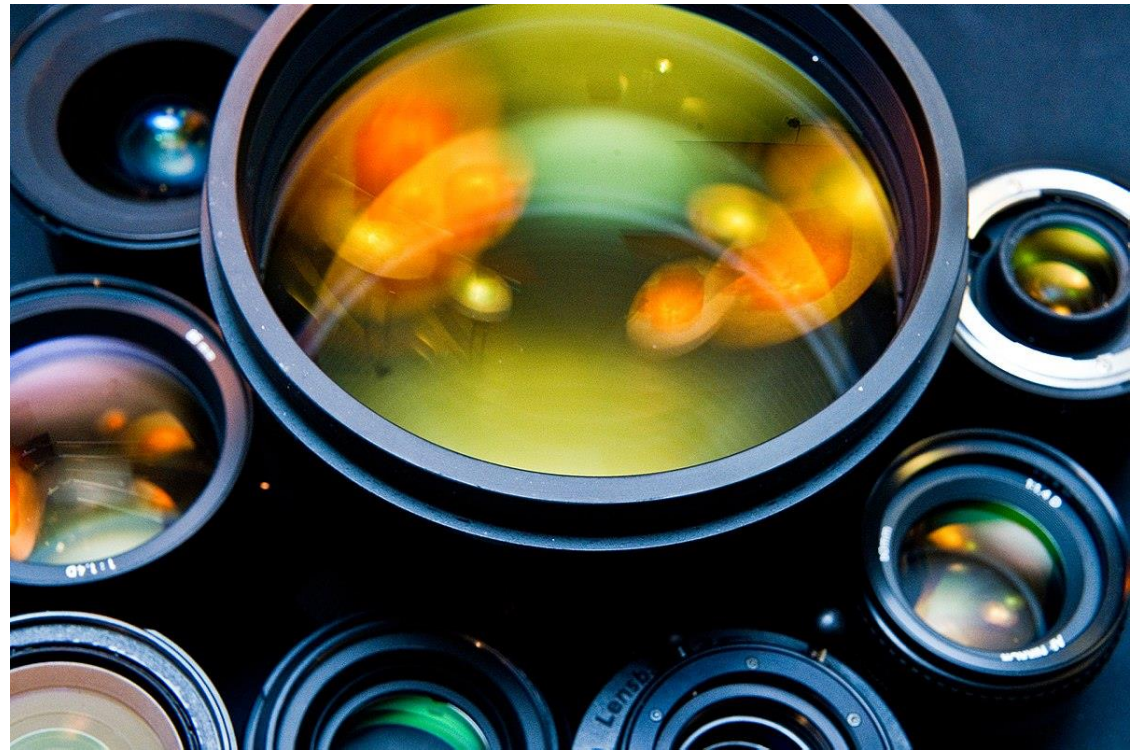
What is a focal length

- Focal length is the distance between the optic of lens and the sensor of camera, which is measured in mm (millimeters) for e.g 18-55mm, 18-135mm



Types of lenses

- There are two types of lenses
- Zoom lens
- Prime lens



Zoom lens

- A lens with variable focal length is called a zoom lens e.g:
- 18-55mm, 18-135mm, 24-70mm, 24-105mm,
- 17-50mm, 80-200mm, 70-200mm
- 15-45mm
- ETC



Prime lens

- A lens with a fixed focal length is called prime lens.

e.g: 14mm, 24mm, 35mm, 50mm, 85mm, 105mm

No zooming option !



(wide angle/fish eye)

- Wide angle (fisheye)

A lens which capture wide view, fish eye

Zooms: 8-16mm, 10-20mm 12-24mm.. etc

Primes: 8mm, 12mm, 14mm, 16mm



Standard lens/ mid range

A lens which gives u a regular view, not much wide, not much close-up

Zooms: 18-55, 18-135, 17-50, 24-105, 24-70 etc

Primes: 24mm, 35mm,,40mm, 50mm, 85mm



Telephoto

- A lens which has a maximum focal length, that magnify or bring the object close to you.

Zooms: 70-200, 80-300 etc

primes: 105mm, 135mm, 200mm, 300mm, 400mm and above



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