



# 1. Understand the types of Cameras



## Point and Shoot Compacts

Built for portability and easy usage in mind, these cameras allow users to capture good photos automatically without having to worry about all the technicalities.<sup>1</sup>



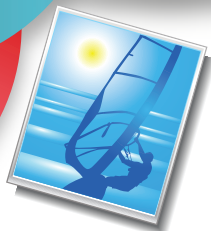
## Mirrorless Cameras (MILC)

While DSLRs use mirrors to divert light from the lens to the viewfinder so that you can see exactly what the camera sees, MILCs do not have mirrors. This lack of mirrors is why MILCs are more compact than DSLRs.<sup>3</sup>



## Digital Single Lens Reflex cameras (DSLRs)

A bulkier camera with interchangeable lenses that gives you the flexibility to experiment with many photography styles, especially when speed and focus of the object are essential.<sup>2</sup>



## 2. Dig deeper to investigate the parts of a camera:

### 1. Lens

Lenses are classified by focal length and aperture.



#### Aperture

It is the opening of the lens deciding how much light is allowed into the lens.

- Often measured by f-stops.
- Larger F-number means lesser light and lesser aperture.<sup>5</sup>



#### Focal Length

Tom's Guide<sup>4</sup> describes it as how close a lens can make a subject appear - from wide-angle shots to close-ups. It is specified in millimetres or magnification factor. Smaller focal length produces wide-angle shots while longer focal length produces telephoto shots.

### 2. ISO Rating

ISO is a measure of film speed, or how sensitive a film is to light. The higher the ISO, the more effective the camera is at capturing images in low light without flash.<sup>6</sup>

### 3. Shutter speed

Digital Photography School<sup>7</sup> described shutter speed as 'the amount of time that the shutter is open', measured in seconds. In layman terms: the bigger the denominator, the faster the speed. For example, 1/1000 is much faster than 1/30. A higher speed allows one to capture fast-moving objects clearly.

<sup>1</sup> <http://www.techradar.com/news/photography-video-capture/cameras/what-camera-should-i-buy-your-options-explained-986593>

<sup>2</sup> <http://www.r-photonclass.com/03-different-types-of-cameras/>

<sup>3</sup> <http://www.dpreview.com/articles/0344780582/mirrorless-camera-buying-guide>

<sup>4</sup> <http://www.tomsguide.com/us/camera-buying-guide-news-17666.html>

<sup>5</sup> <http://www.thephotographerslife.com/free-stuff/how-to-buy-the-right-camera/>

<sup>6</sup> <http://www.tomsguide.com/us/camera-buying-guide-news-17666.html>

<sup>7</sup> <http://digital-photography-school.com/shutter-speed>