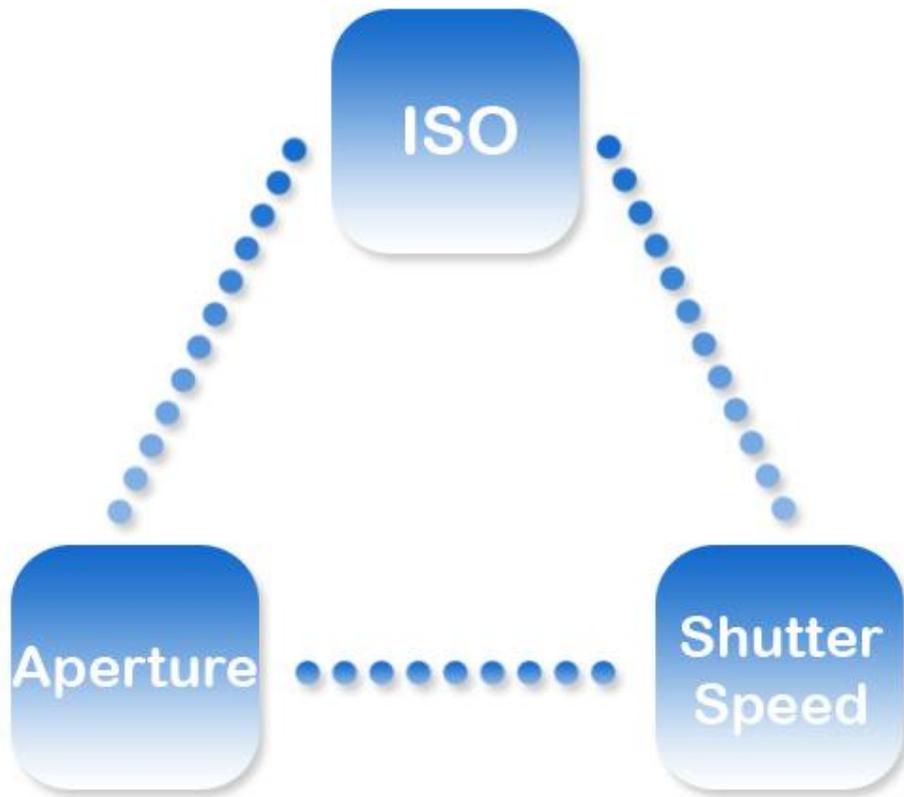


Exposure

- How much light enters the camera when you take a picture.

- A photograph's exposure determines how light or dark an image will appear.

- Exposure is determined by three camera settings:
- Aperture
- Shutter Speed
- ISO.



UNDERSTANDING EXPOSURE

- Achieving the correct exposure is a lot like collecting rain in a bucket. While the rate of rainfall is uncontrollable, three factors remain under your control: the bucket's width, the duration you leave it in the rain, and the quantity of rain you want to collect. You just need to ensure you don't collect too little ("underexposed"), but that you also don't collect too much ("overexposed").



- The key is that there are many different combinations of width, time and quantity that will achieve this. For example, for the same quantity of water, you can get away with less time in the rain if you pick a bucket that's really wide. Alternatively, for the same duration left in the rain, a really narrow bucket can be used as long as you plan on getting by with less water.

- In photography, the exposure settings of aperture, shutter speed and ISO speed are analogous to the width, time and quantity just discussed. Furthermore, just as the rate of rainfall was beyond your control above, so too is natural light for a photographer.

3 Things effect your Exposure

- Aperture
- Shutter Speed
- ISO

ISO Speed

Controls the sensitivity of your camera's sensor to a given amount of light

Aperture: Controls how big the opening is to let in light.

(How wide your bucket is)

f/16



f/11



f/8



f/5.6



f/4



f/2.8



f/2



f/1.4



A = Aperture priority

- Photographer sets the aperture and the camera sets the shutter.

Shutter Speed

- Controls the duration of the exposure.
- (How long your bucket is outside)
- TIME...controls the duration of the exposure.

The Shutter

- Like a door that opens and closes at different speeds.

S = Shutter priority

- Photographer sets the shutter and the camera sets the aperture.

- What is Exposure?
- What are the 3 things that effect your Exposure?

