



Learn the Exposure Triangle

Let's switch to Manual Mode!



Learn the Exposure Triangle



Learn the Exposure Triangle



Aperture



Shutter Speed



Light Sensitivity



Aperture

Learn the Exposure Triangle

Aperture: opening in the lens through which light passes to reach the camera sensor or film.



Shutter Speed



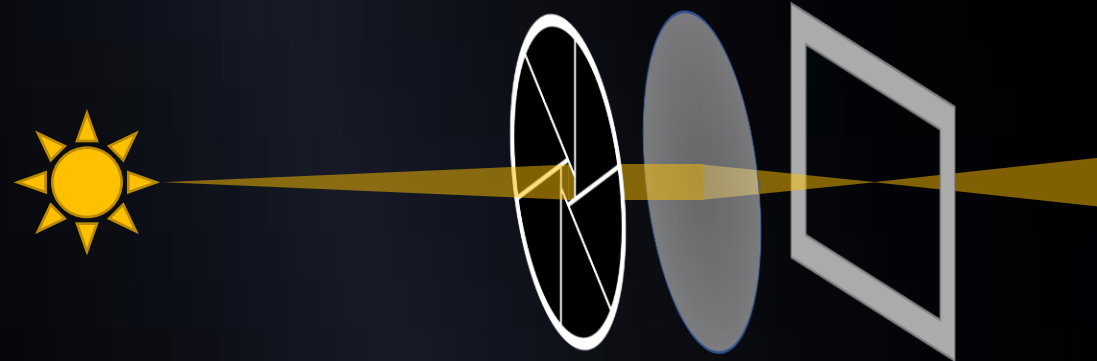
Light Sensitivity



Aperture

Learn the Exposure Triangle

Aperture: opening in the lens through which light passes to reach the camera sensor or film.



Shutter Speed



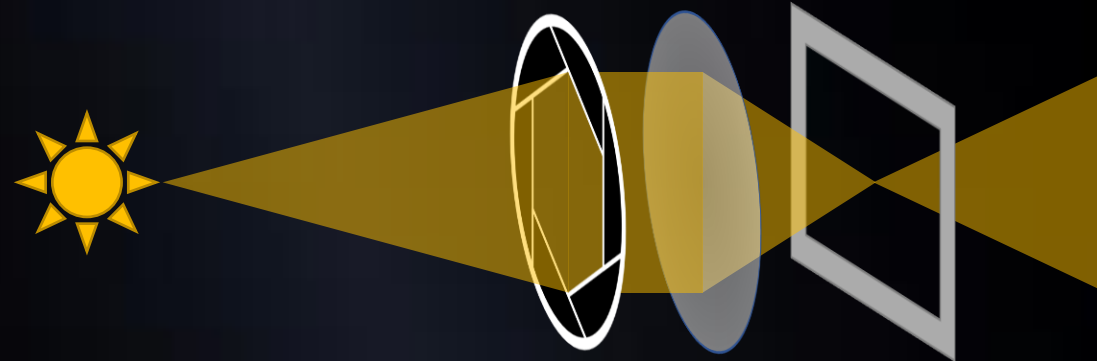
Light Sensitivity



Aperture

Learn the Exposure Triangle

Aperture: opening in the lens through which light passes to reach the camera sensor or film.



Shutter Speed



Light Sensitivity



Aperture

Learn the Exposure Triangle

It is measured in f-stops, which is a ratio of the focal length to the diameter of the aperture.



Shutter Speed



Light Sensitivity



Aperture

Learn the Exposure Triangle

Aperture affects depth of field and image sharpness.



Shutter Speed



Light Sensitivity



Aperture

Learn the Exposure Triangle

Aperture affects depth of field and image sharpness.



f/2.8



Light



Shutter Speed



Light Sensitivity



Aperture

Learn the Exposure Triangle

Aperture affects depth of field and image sharpness.



f/5.6



Light



Shutter Speed



Light Sensitivity



Aperture

Learn the Exposure Triangle

Aperture affects depth of field and image sharpness.



f/11



Light



Shutter Speed



Light Sensitivity



Aperture

Learn the Exposure Triangle

Time to grab your camera and practice!

Let's look at how to set different apertures and experiment with your camera!



Shutter Speed



Light Sensitivity




Shutter Speed

Learn the Exposure Triangle

Shutter speed: amount of time the camera's shutter is open to allow light to reach the camera sensor or film.

 Aperture

 Light Sensitivity




Shutter Speed

Learn the Exposure Triangle

It is measured in seconds or fractions of a second.



 Aperture

 Light Sensitivity



Shutter Speed

Learn the Exposure Triangle

Shutter speed affects how motion is captured in a photograph.



 Aperture

 Light Sensitivity



Shutter Speed

Learn the Exposure Triangle



Slow Shutter Speed



Fast Shutter Speed



Creative use of Shutter Speed



Aperture



Light Sensitivity




Shutter Speed

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Time to grab your camera and practice!

Let's look at how to set different shutter speeds and experiment with your camera!

 Aperture

 Light Sensitivity



Light Sensitivity

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ISO refers to the camera sensor's sensitivity to light.



Aperture



Shutter Speed




Light Sensitivity

Learn the Exposure Triangle

ISO amplifies the light signal hitting the camera sensor.



 Aperture

 Shutter Speed

ISO

Light Sensitivity

Learn the Exposure Triangle

ISO also increases the amount of digital noise in the image, which can degrade image quality.

ISO 200



Aperture



Shutter Speed

ISO

Light Sensitivity

Learn the Exposure Triangle

ISO also increases the amount of digital noise in the image, which can degrade image quality.

ISO 800



Aperture



Shutter Speed

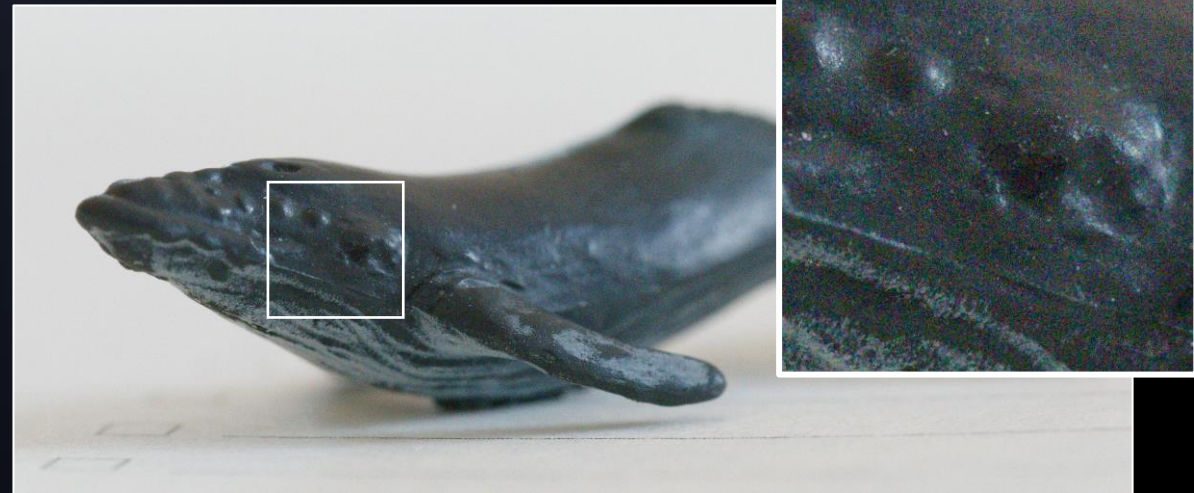
ISO

Light Sensitivity

Learn the Exposure Triangle

ISO also increases the amount of digital noise in the image, which can degrade image quality.

ISO 3200



Aperture



Shutter Speed

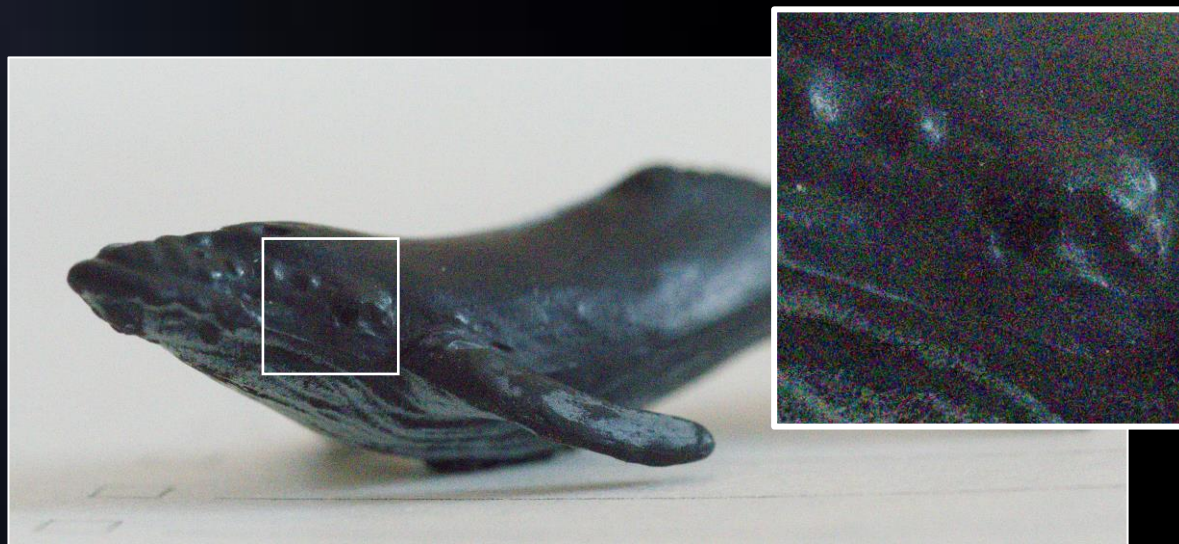
ISO

Light Sensitivity

Learn the Exposure Triangle

ISO also increases the amount of digital noise in the image, which can degrade image quality.

ISO 12800



Aperture



Shutter Speed

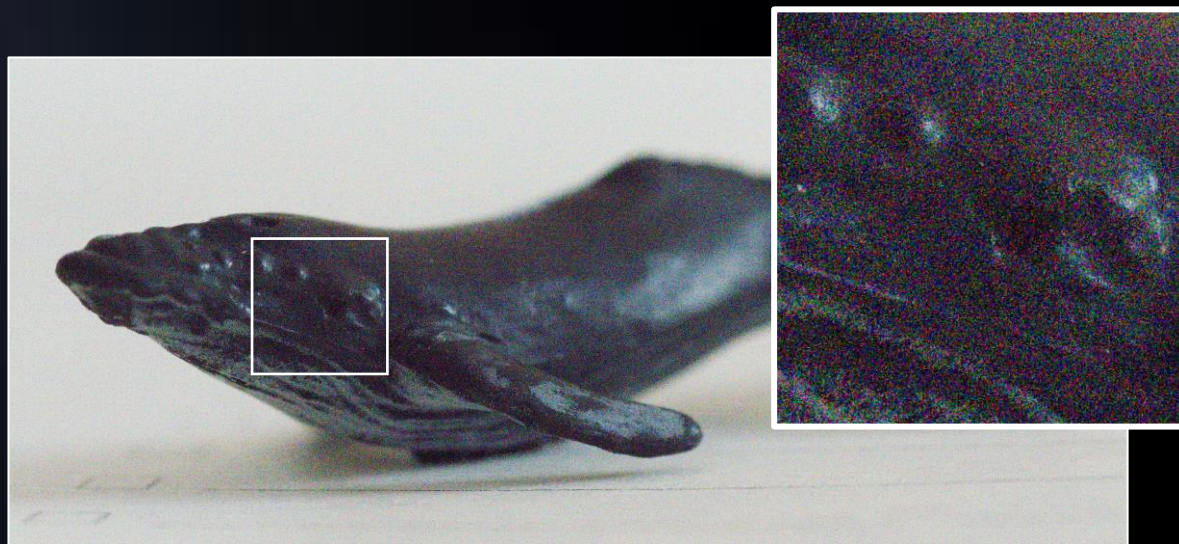
ISO

Light Sensitivity

Learn the Exposure Triangle

ISO also increases the amount of digital noise in the image, which can degrade image quality.

ISO 25600



Aperture



Shutter Speed



Light Sensitivity

Learn the Exposure Triangle

Time to grab your camera and practice!

Let's look at how to set different ISO and experiment with your camera!

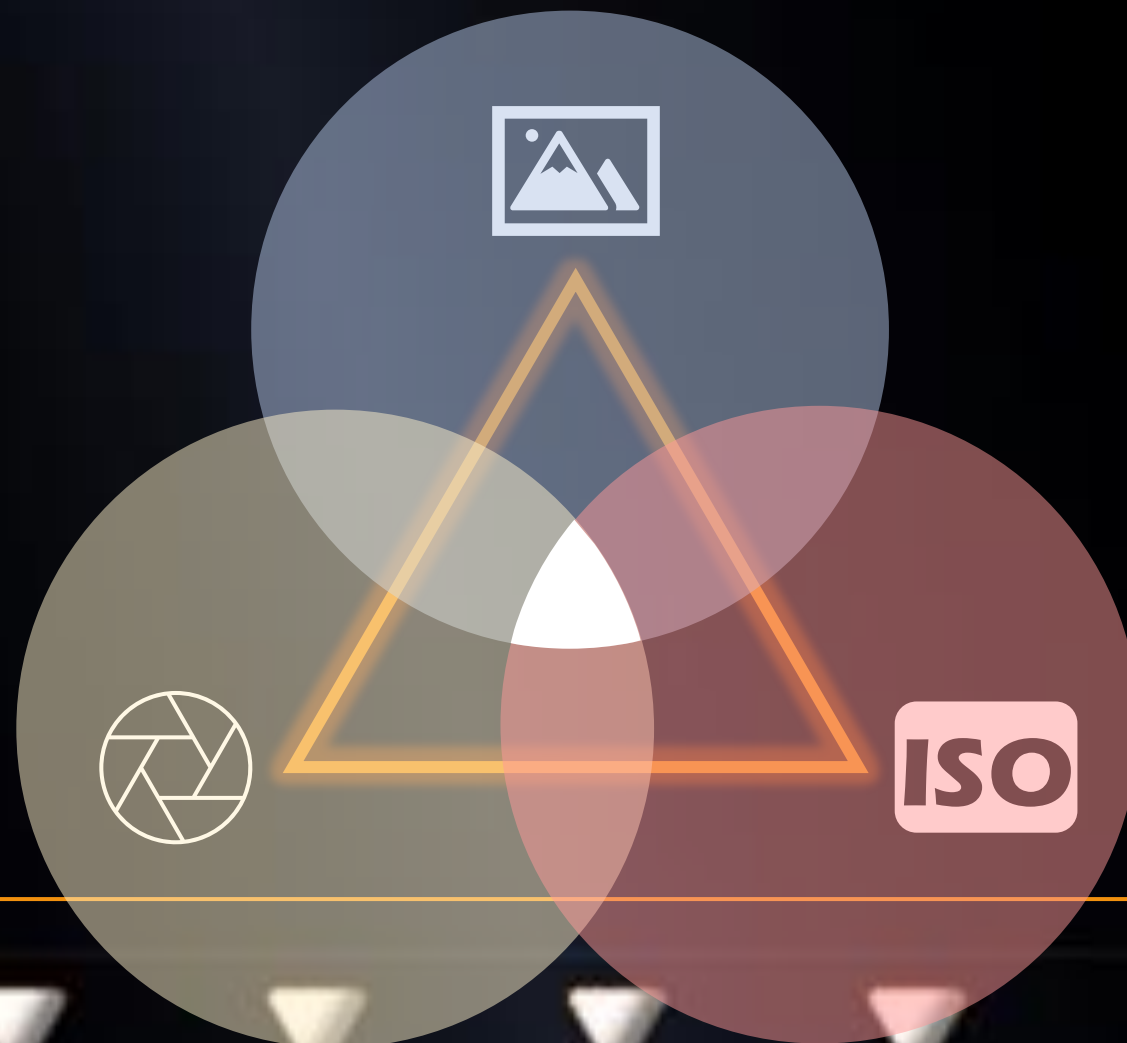


Aperture



Shutter Speed

Learn the Exposure Triangle





Learn the Exposure Triangle

Putting it All Together





Learn the Exposure Triangle

Exposure Value (EV)



Exposure Value (EV)

Learn the Exposure Triangle

Exposure Value (EV) is a number that combines aperture and shutter speed.

Exposure Value (EV)

Learn the Exposure Triangle

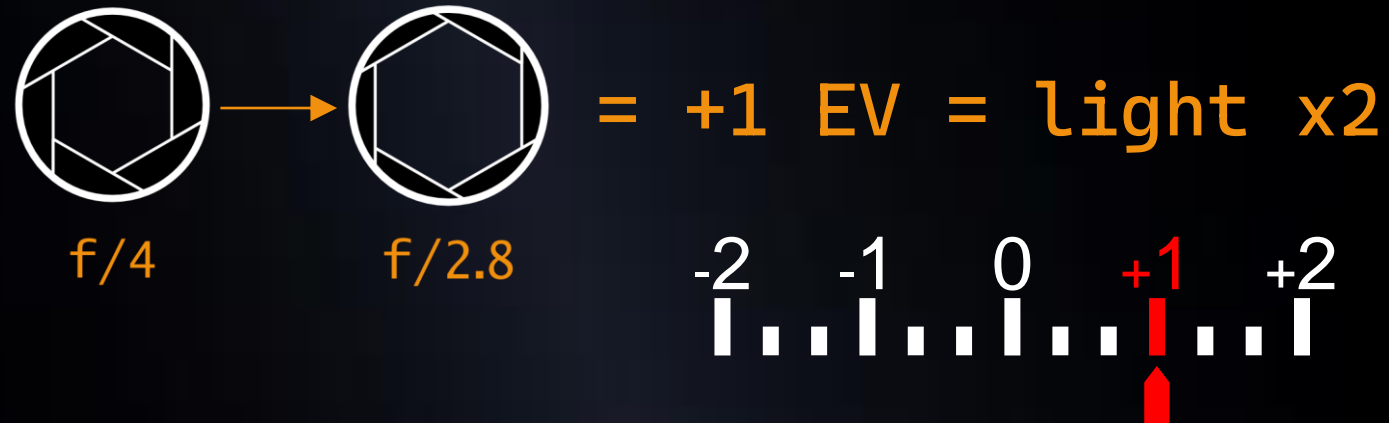
Exposure Value (EV) is a number that combines aperture and shutter speed.



Exposure Value (EV)

Learn the Exposure Triangle

Exposure Value (EV) is a number that combines aperture and shutter speed.



Exposure Value (EV)

Learn the Exposure Triangle

Exposure Value (EV) is a number that combines aperture and shutter speed.



Exposure Value (EV)

Learn the Exposure Triangle

Exposure Value (EV) is a number that combines aperture and shutter speed.

$1/100s \rightarrow 1/50s = +1 \text{ EV} = \text{light } \times 2$



Exposure Value (EV)

Learn the Exposure Triangle

Exposure Value (EV) is a number that combines aperture and shutter speed.

$$1/100s \rightarrow 1/200s = -1 \text{ EV} = \text{light} / 2$$



Exposure Value (EV)

Learn the Exposure Triangle

Exposure Value (EV) is a number that combines aperture and shutter speed.

ISO 200 → ISO 100 = +1 EV = light x2



Exposure Value (EV)

Learn the Exposure Triangle

Exposure Value (EV) is a number that combines aperture and shutter speed.

ISO 400 → ISO 200 = -1 EV = light /2



Exposure Value (EV)

Learn the Exposure Triangle



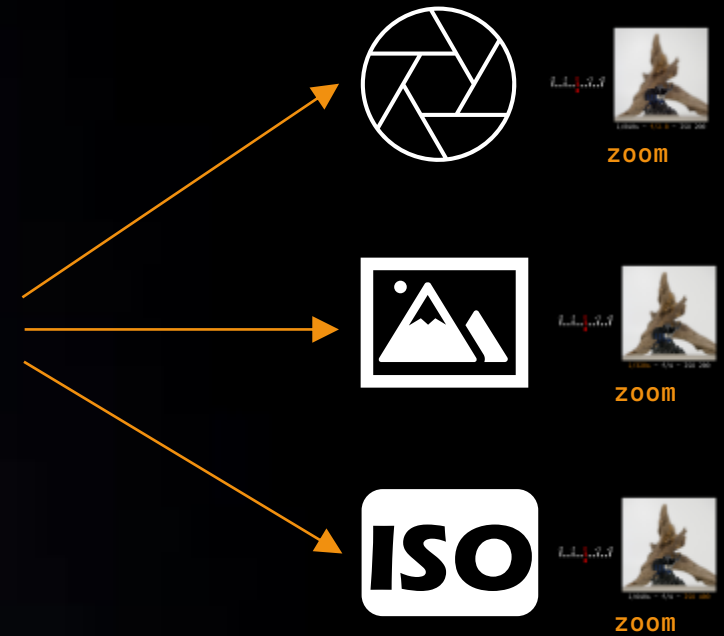
1/640s - f/4 - ISO 200

Exposure Value (EV)

Learn the Exposure Triangle



1/640s - f/4 - ISO 200



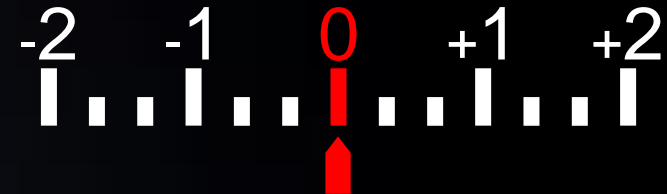
Exposure Value (EV)

Learn the Exposure Triangle

1/640s - f/4 - ISO 200



1/500s - f/3.5 - ISO 250



Exposure Value (EV)

Learn the Exposure Triangle

Time to grab your camera and practice!

Let's take some pictures and see how we can play with the exposure triangle to expose them correctly!



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CONCLUSION

Use manual mode and the exposure triangle to let your creativity shine!

