

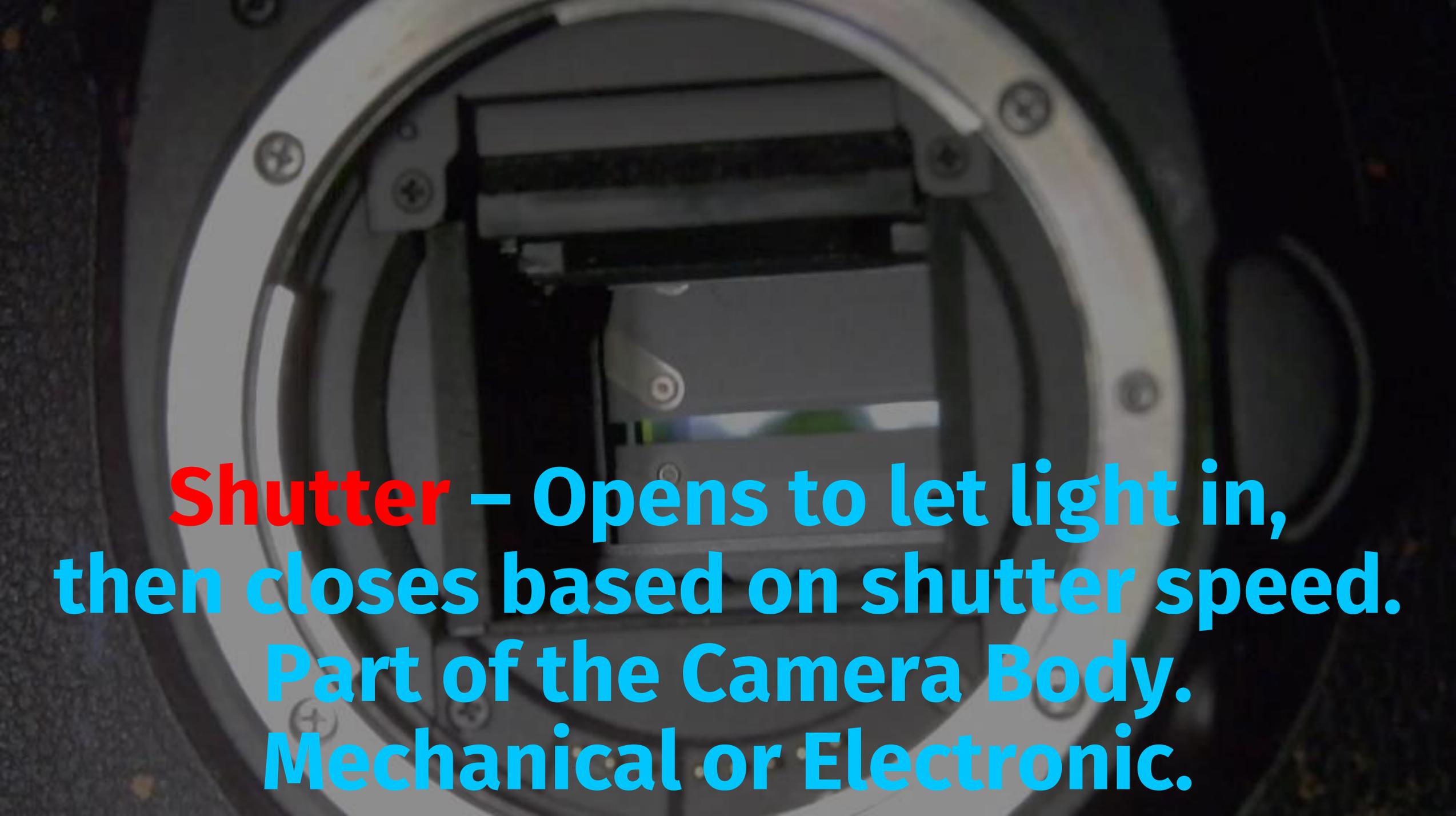
# Mentor Night – 10 Minute Kickoff

What is *Shutter Speed Priority*?

What situations work best with shutter speed priority?

How do I change my device mode to shutter speed priority?

Shutter Speed **Priority** - You let the camera know that you are choosing the *shutter speed* and the camera's brain is responsible for calculating the Aperture and ISO.



**Shutter** – Opens to let light in,  
then closes based on shutter speed.  
Part of the Camera Body.  
Mechanical or Electronic.



**Aperture** - Like your pupil opens and closes, controls focus depth



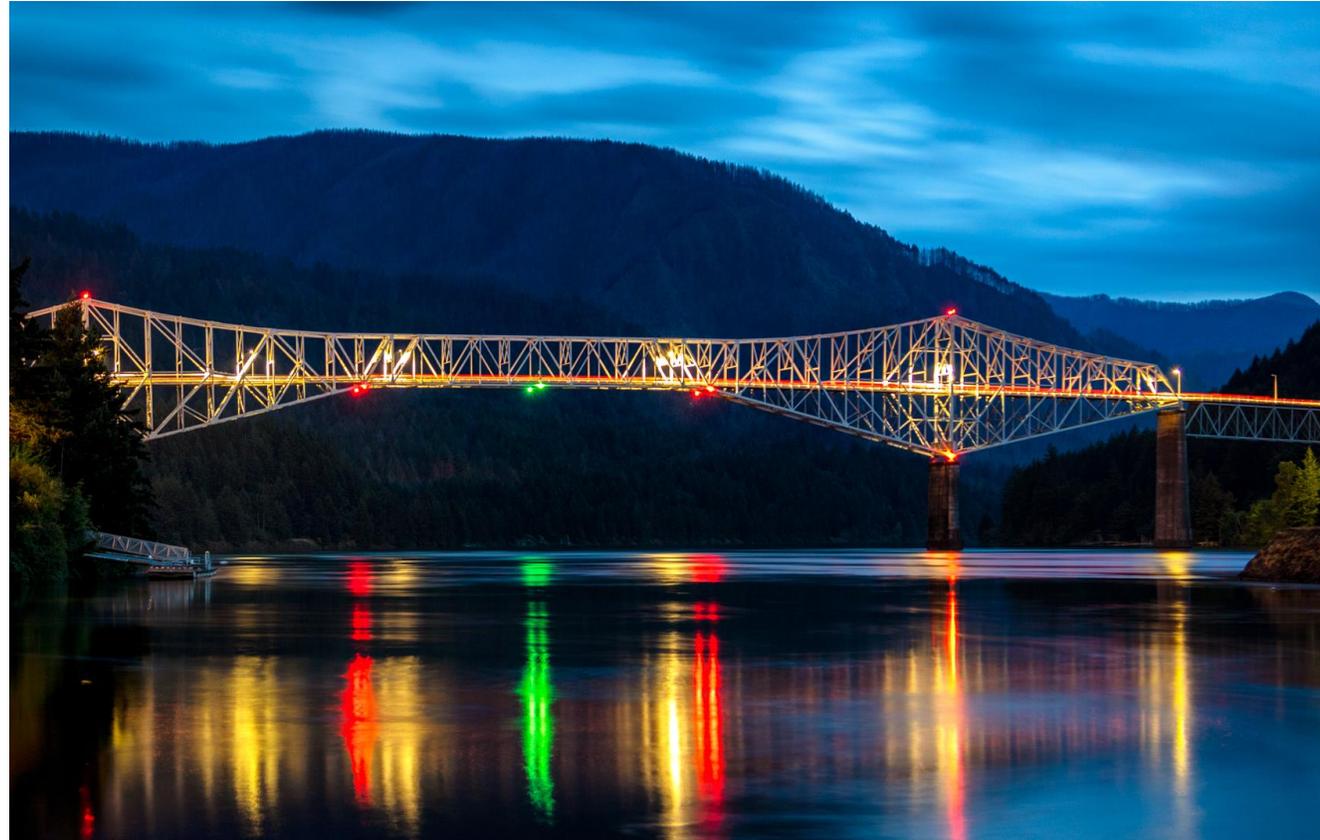
**ISO** – Amplification of light  
High ISO degrades photo quality  
Like high TV volume, distorts sound

# Techniques with **Shutter Speed** change perceptions

The freezing of movement or showing blur has a big effect on what and how the photo communicates. Humans are poor at “seeing” motion.



1/1000 of a second, f/4, ISO 500, 50mm  
Freeze the motion



30 seconds, f/4, ISO 400, 45mm  
Smooth the water to increase reflection  
and more cloud motion

# Activity – In “Shutter Priority” mode change shutter speed

- Changing to Shutter Priority is similar to how you changed to Aperture mode

## Canon – “Tv”, Nikon – “S” Modes

### Creative Zone

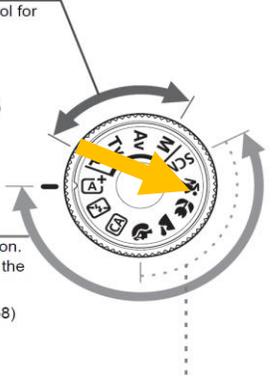
These modes give you more control for shooting various subjects.

- P** : Program AE (p.86)
- Tv** : Shutter-priority AE (p.110)
- Av** : Aperture-priority AE (p.112)
- M** : Manual exposure (p.115)

### Basic Zone

All you do is press the shutter button. The camera sets everything to suit the subject or scene.

- AI** : Scene Intelligent Auto (p.58)
- OF** : Flash Off (p.63)
- CA** : Creative Auto (p.64)

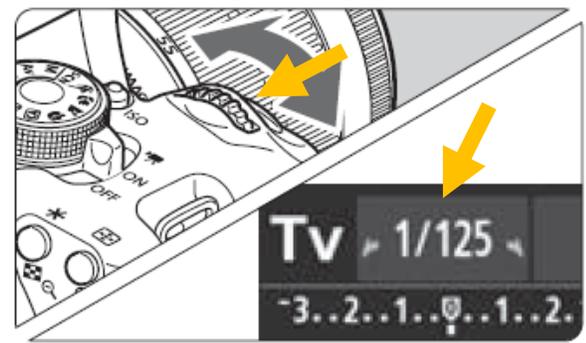


## Ask Google

how do I change the shutter speed on my OM1 camera

*Turn the shutter speed ring ...*

- Turning the <img alt="shutter speed dial icon" data-bbox="330 635 360 660"/> dial to the right sets a faster shutter speed, and turning it to the left sets a slower one.



## Adjusting Speed



# Using focus techniques with Shutter Speed

- What freezes movement?

Hummingbird wings	1/4000
Birds in flight	1/2000
Trains, autos, bikes	1/1000
Soccer, horses	1/500
Walkers	1/250
Light wind	1/125

- How do you freeze a moving subject and “motion blur” the background? i
  - Panning – move the camera sync'd to subject
- What if you want the water to be blurred to look silky, but everything else in focus? i
  - Slow shutter speed (1 sec)



1/1000 of a second, f/4.5, ISO 1000, 70mm