

 Dublin Photography School  
*be inspired...*



**Photography Reference Guide**

# ISO Setting

ISO Controls The Cameras Sensitivity to Light

ISO Settings

## Low ISO Number

- Needs More Light
- Less Sensitivity To Light
- Less Noise & Grain
- Better Image Quality
- Use In Bright Light

## High ISO Number

- Needs Less Light
- More Sensitivity To Light
- More Noise & Grain
- Poorer Image Quality
- Use In Low Light

**Tip:** Don't be afraid to use Auto ISO when shooting street or reportage photography.

Bright Light

Low Noise

High ISO - LIGHT LEVEL - Low ISO

100 ISO



200 ISO



400 ISO

800 ISO



1600 ISO

3200 ISO

6400 ISO



12800 ISO

Low Light

High Noise

# Shutter Speed

Shutter Speed Will Allow You To Freeze Motion Or Create Motion Blur

Shutter Speed

## High Shutter Speed

- Needs More Light
- Freezes Movement
- Use In Bright Light
- Reduces Light Entering into the Camera

## Low Shutter Speed

- Needs Less Light
- Blurs Movement
- Use In Low Light
- Increases Light Entering into the Camera

**Tip:** Lowest handheld shutter speed is 1/60th. Images taken below this may suffer from camera shake.

Bright Light

1/4000 Cars & Trains

1/2000 Birds In Flight

1/1000 Cyclists

1/500 Running

1/250 Jogging

1/125 Walking

1/60 Lowest Handheld Speed

1/30 Handheld Panning

1/15 Tripod Recommended

1/8 Panning with Monopod

1/4 Blurs Running Water

1/2 Milky Water Effect

1 Sec Long Exposure Effects

Low Light

DON'T BE AFRAID TO PLAY

REMEMBER THE 1/60<sup>TH</sup> RULE

# Viewfinder

Viewfinders will differ depending on a camera brand & often in different models within the same brand

Viewfinder

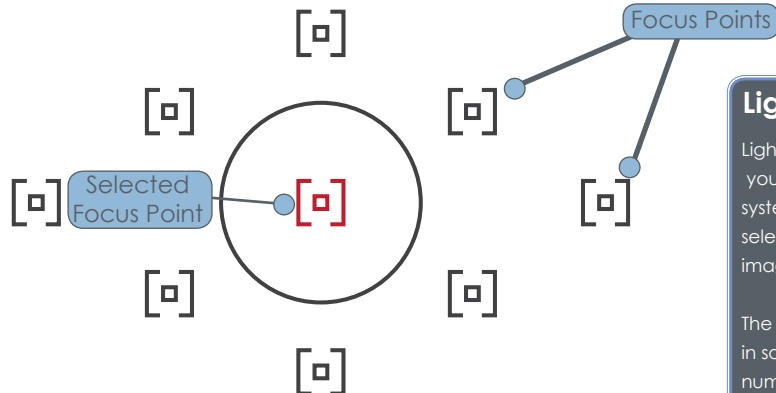
## Remember:

Viewfinders will differ depending on brand & model.

Viewfinders may have different focusing points.

Some viewfinders will not have 'F' in front of the Aperture Number.

Some viewfinders will have a fraction in front of the Shutter Speed, e.g. 1/60

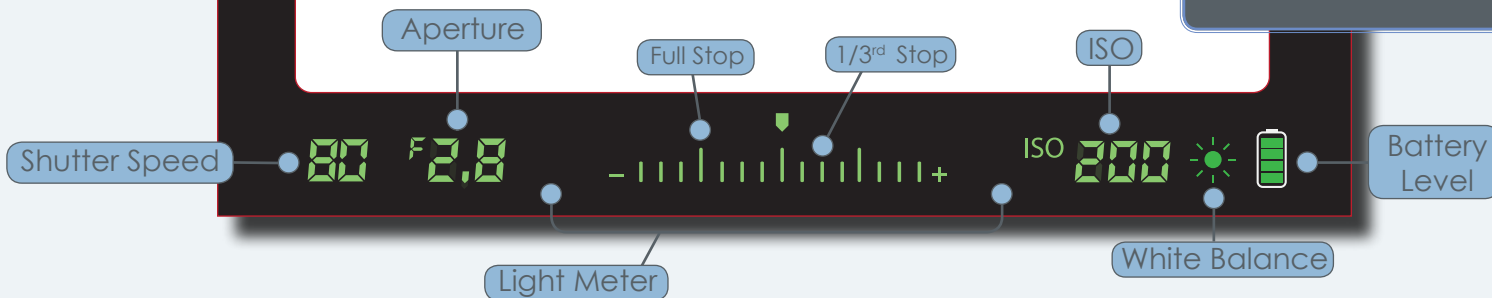


## Light Meter

Light meters are connected to your focusing point & metering systems. What focus point you select will have an impact on your image.

The Light Meter can be digital in some models & will read as a number, & not show as a graphic, i.e +1.0, -2.0 & so on.

Viewfinder



# Aperture

Aperture or F-Stop Controls The Amount of Light Entering Into The Lens

Aperture

## Small F-Stop Number

- Let's More Light In
- Bigger Opening
- Let's More Light In
- Blurry Background
- Use In Low Light

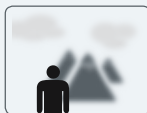
## Large F-Stop Number

- Let's Less Light In
- Smaller Opening
- Let's Less Light In
- Sharper Background
- Use In Bright Light

**Tip:** Make sure to check the F-Stop range on the lens, as many may differ.

Bright Light

More - LIGHT LEVEL - Less



Low Light

LESS IS MORE!

# White Balance

White Balance Controls the Colour or Temperature of Light Within Your Images

White Balance



## Can't Find Tungsten?

On some camera models, Tungsten White Balance is called Incandescent.

**Tip:** White Balance can warm your images by adding reds & yellows, or cool your images by adding blues & greens.

**AWB will work perfectly 95% of the time....**

*However, there are a few situations where it may fail, scenes that have snow or scenes that are lit by tungsten lights, e.g: snow landscape, cityscapes at night & parties at night.*

GET YOUR WHITES WHITE!

# Dublin Photography School *be inspired...*

Dublin Photography School is an Irish owned photography school which opened it's doors in early 2011. Our photography trainers are passionate, young, vibrant and enthusiastic with a hands-on approach. They run all the photography courses, workshops and location shoots in a fun and friendly atmosphere. They all come from a digital media background and therefore are ready to answer all

and any questions that the students may have.

Dublin Photography School is one of Ireland's leading providers of photography tuition. Many of the part time evening and weekend courses/workshops have established further education and progression links to FETAC & QQI level 5 & 6 photography courses Saint Kevin's College, for those looking to progress to full time education.

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