

Starting to use the camera settings

Why?

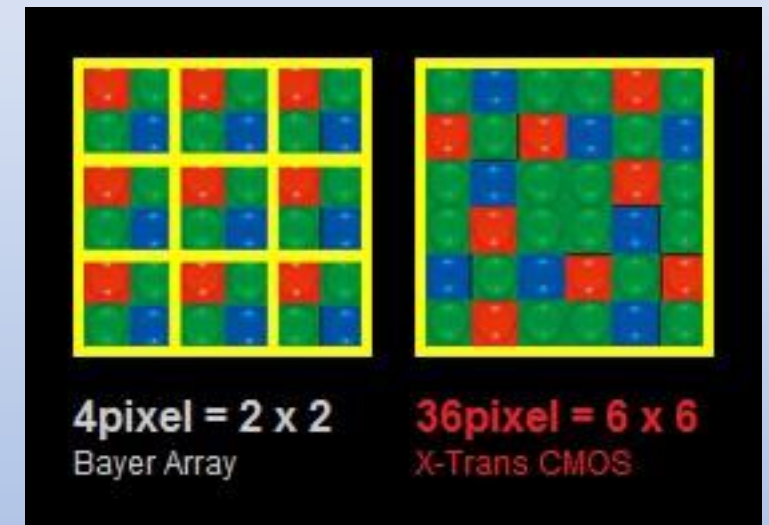
It gives you control of the picture

Three settings to think about

- Shutter speed
- Aperture of the lens
- ISO (Sensitivity setting of the sensor surface)

ISO (Sensitivity setting of the sensor surface)

- ISO varies size of the pixels on the sensor.
- As manufactured the pixel size is at its smallest
- Smallest pixel size gives best quality image
- Usual lowest ISO rating is 100
- The bigger the sensor the better quality the image
 - Thus SLR is usually better quality than compact



In reality



The three variables bring trade offs

Assumes constant light amount for exposure			
Shutter speed	Lens aperture	ISO	Quality
1/125	f8	100	Excellent
1/250	f8	200	Excellent
1/500	f8	400	V Good
1/1000	f8	800	Good
1/2000	f8	1600	Some Grain
1/4000	f8	3200	Very Grainy
1/8000	f8	6400	Extremely Grainy

Slow shutter speed – Low ISO – Great Quality
Fast shutter speed – High ISO – Poor Quality

- What do I want (General guide)?
- What am I photographing?
 - Macro Slow & Low
 - Portraits Slow & Low
 - Landscapes Medium
 - Sport Fastish (1/1000 and 800 ISO)
 - Museum (no tripod) Fast & Fast
 - Night time Fast & Fast

**Macro-
Slow & Low**





Fastish (1/1000 and 800 ISO)



Slow & Low



Fastish & Fast

No Tripod, used back of pew





Fastish & Fast

No Tripod, used back of pew