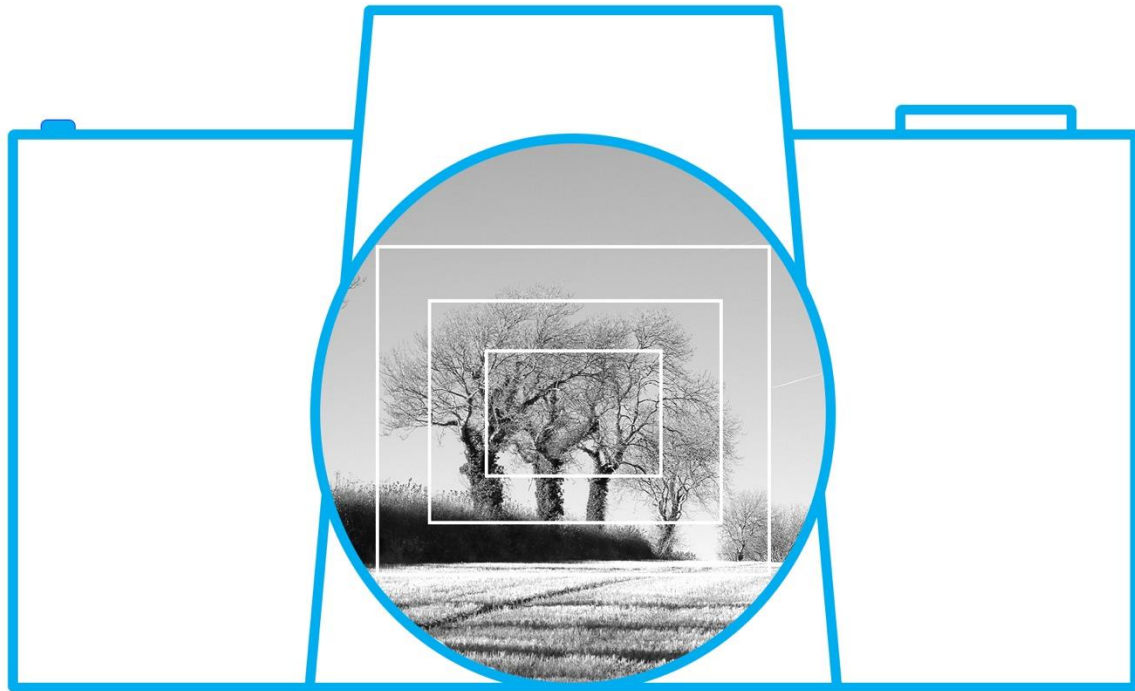


Sensor Size

Something that you can't change about your camera is the size of the light-sensitive sensor.



The **full format** sensor is said to be equivalent to a 35mm film exposure.



The **APS-C / Nikon DX** sensor size is used in a large number of digital SLR cameras.



A **4/3** system is used in many mirrorless or bridge cameras.

Of course you can get a similar image by zooming out or taking a few steps back.

Crop Factor

What this means is that the picture produced by a lens on a full frame camera is different than that on a camera with a smaller sensor. So, for example, a 100mm lens on a full frame camera has a different **equivalent focal length** on a different camera.

If you have an APS-C or Nikon DX camera then your equivalent focal length is actually 1.5 or 1.6 times what the lens says it is.

So, in fact, a 135mm lens on a Canon 7D acts like a 216mm lens.

And, a 50mm lens on an Olympus OM-D is effectively the same as a 100mm lens.