

## Images | Part B

Now how many pixels does an image have? Our count of pixels in an image is known as dimensions or sometimes confusingly resolution. High quality pictures with a lot of pixels are known as high resolution, while the ones with a couple of megapixels or less are known as low resolution images.

Just like we use megabytes for storage of computer data in general we use megapixels, a thousand pixels, as units of image size and quality. The higher the megapixel count the higher the resolution and quality of the image. However if your camera lens was dirty or the light wasn't good the picture would still turn out poor.

For comparison a computer monitor will currently display at about 1 megapixel or more at the same time even cheaper cameras deliver 3 -5 megapixels or more, that is why you can zoom into the picture on the screen quite a bit. By default our monitors work with about 72-130 pixels per inch. 72 pixels per square inch is all you need to display a reasonably good quality image on the screen without zooming in. Your Windows buttons and fonts in the computer itself are drawn at this resolution. High grade printing is about 600 pixels per square inch and so called 'retinal displays' have more pixels per square inch than the eye can distinguish so the icons look drawn on the glass, pretty cool.