

## **Graphics and Photo Editing for Windows Users – Glossary**

**Pixel:** The word *pixel* is based on a contraction of *pix* ("pictures") and *el* (for "element"). In the digital world, a pixel is the smallest display element or the smallest element of a picture on a screen containing the information required to display all the characteristics of that spot in an image. Some displays, typically an LCD (thin flat screen) may have a square pixel, others may have a pixel made up of three discrete smaller elements, each of which displays the red, green or blue components of the pixel.

**Megapixel:** one million pixels. Cameras are often described as having so many megapixels as a measure of the quality or resolution of the images captured by the camera.

**Resolution:** the density of pixels in an image, pixels per inch (dots per inch in printing).

**File Format:** The technology of the way an image is stored on a computer

- Bitmap: the array of pixels captured by a camera or on a display screen
- JPEG or JPG (Joint Photographic Expert Group) this is a way to compress the information in an image so less space is used to store the image in a computer file. Some of the detail in the image is lost in the process, but very little. Most consumer cameras use this format for image storage.
- PNG (Portable Network Graphics) this is another way to use less space in storing an image, but with better fidelity (no loss) than a JPG file.
- Many other to suit different purposes

### **Windows software**

- Microsoft Photo Gallery: edit individual photos, produce slide shows or movies
- Microsoft Paint: create and/or modify images with drawing elements, annotations
- resolution
- Microsoft Photo Viewer:
- Windows Media Center: create slide shows, save on disc, play music and videos
- Windows Movie Maker: Make movies from photos or videos, add music and/or narration
- PowerPoint: Slide shows and presentations, can include images, video and audio clips
- Word: Assemble documents with text, images and limited graphic elements
- IrfanView: edit photos, change image size, available from The Internet at [www.Irfanview.com](http://www.Irfanview.com)
- Picasa is a Google product that organizes all your photos and is a photo editor available from The Internet at [www.picasa.google.com](http://www.picasa.google.com)

### **Online software**

- Pixlr is an online photo editor available at [www.Pixlr.com](http://www.Pixlr.com)