

Bit-Mapped (Raster) Graphics

A bit-mapped image is a digital painting made of pixels.*

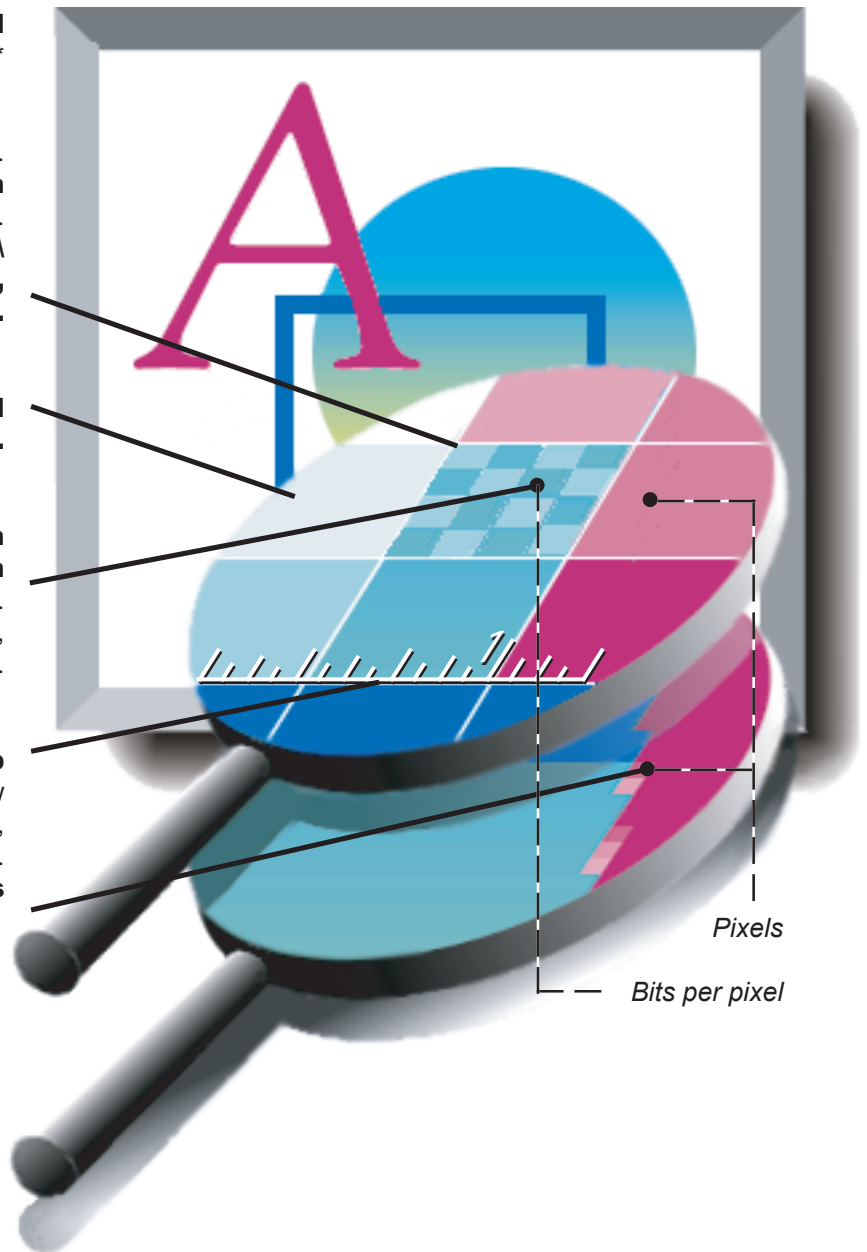
Pixels are the electronic equivalent of paint. Like a canvas painting, **bitmaps have an invisible weave** (or matrix). **Digital pigment is mapped** (or painted) **to this canvas, pixel by pixel.**

The bits of information **in each pixel** determine its color and shade.

The number of pixels per inch determines the resolution (image detail).
The more pixels per inch, the greater the resolution.

The pixelized nature of a bitmap is most visible when there are few pixels per inch (low resolution), since the pixels are relatively large. "Aliasing" along edges **is sometimes called "the jaggies"** because edges comprised of large pixels have a jagged appearance.

**Painting, scanning, retouching and image processing typically employ bitmapped images.*



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