Overview of Raster Images

Raster images consist of a rectangular grid of small squares or dots known as pixels. For example, a photograph of a house is made up of a series of pixels colorized to represent the appearance of a house. A raster image references the pixels in a specific grid.

Raster images, like many other drawing objects, can be copied, moved, or clipped. You can modify an image with grip modes, adjust an image for contrast, clip the image with a rectangle or polygon or use an image as a cutting edge for a trim.

The most common formats, which are used in major technical imaging application areas are supported by the program, including: computer graphics, document management, engineering, mapping and geographic information systems (GIS). Images can be bitonal, 8-bit gray, 8-bit color, or 24-bit color. GstarCAD does not support images with 16-bit color depth.

Images with transparent pixels are supported by a number of image file formats. The program recognizes those transparent pixels, if the image transparency is set to ON, and graphics in the drawing area are allowed to "show through" those pixels. (In bitonal images, background pixels are treated as transparent.) Transparent images can be gray-scale or color.

Supported image file formats

Type   Description and version's   File extension

BMP Windows and OS/2 bitmap format .bmp, .dib, .rle
CALS-I Mil-R-Raster I .gp4, .mil, .rst, .cg4, .cal
JFIF or JPEG Joint Photographic Expert Group .jpg or .jpeg
PCX Picture PC Paintbrush Picture .pcx
PNG Portable Network Graphic .png
TIFF Tagged Image File Format .tif or .tiff