



- High resolution output
- Artwork preparation
- Choice of output devices
- Mixed graphics and text
- Raster picture editor
- Large image capability

Raster editing

Paint is a powerful interactive tool that allows raster images up to A1 in size to be edited or created. A variety of pen styles are provided, together with a number of textures which can be used in any painting operation to provide different shades.

The mouse allows freehand drawing to be performed, as well as geometric constructs including lines, boxes, solid areas, circles and filled regions. Areas for manipulation, which may be defined either by a simple rectangle or as an arbitrary shape, can be moved, copied, rotated, mirrored or stored. Text can be added from the keyboard, using a typeface selected from an extensive library of fonts.

Drawing size

The size of the image to be edited is not constrained to the screen size, allowing up to A1 images at 100 dots per inch to be manipulated. The use of smooth panning and the continual display of the whole image makes large drawings easy to edit.

Ease of use

Commands may be selected from either a pop-up menu or the keyboard depending on the user's preference. Help may be requested at any time and the help information may be left on the screen while editing is performed. The undo command provides an easy mechanism for repairing editing mistakes.

Output devices

Pictures can be printed on a variety of output devices including a laser printer at a resolution of 100, 150 or 300 dots per inch and electrostatic plotters at either 100 or 200 dots per inch.

Image capture

Existing paper drawings may be captured from either a camera or a scanner using the Advent Imager range. These images can vary in size from a postage stamp up to an A1 drawing, depending upon the type of device being used and the required resolution.

Incorporation into documents

Pictures created in Paint can be merged with text using the Advent document production system. For example, this page was produced by merging a screen dump and text in a variety of fonts.

Input into draughting

Paint can be used to prepare images of existing drawings for input into the Advent 2D draughting system, Designer 20. Such an image may then be used as a backcloth against which new features may be added using the powerful tools provided by a CAD system, and the combined raster and vector image printed on an electrostatic plotter.

Picture storage and retrieval

Pictures or parts of pictures can be saved and retrieved from disc files and the use of image compression reduces storage by up to a factor of ten.

A whole library of pictures can be created by Paint. Using the system's powerful network facilities it is possible to share such libraries and to transmit selected pictures to remote workstations.

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