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S1D13A04 LCD/USB Companion Chip

13A04BMP Demonstration Program

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13A04BMP

13A04BMP is a demonstration utility used to show the S1D13A04 display capabilities by rendering bitmap images on the display device. The program displays a bitmap stored in Windows BMP file format and then exits. 13A04BMP supports SviwelView™ (90°, 180°, and 270° hardware rotation of the display image).

13A04BMP is designed to operate on a personal computer (PC) within a 32-bit environment only (Windows® 9x/NT/ME/2000). Other embedded platforms are not supported due to the possible lack of system memory or structured file system.

The 13A04BMP demonstration utility must be configured to work with your hardware configuration. The program 13A04CFG can be used to configure 13A04BMP. For further information on 13A04CFG, refer to the *13A04CFG Users Manual*, document number X37A-B-001-xx.

S1D13A04 Supported Evaluation Platforms

13A04BMP supports the following S1D13A04 evaluation platforms:

- PC with an Intel 80x86 processor running Windows 9x/NT/ME/2000.

Note
The 13A04BMP source code may be modified by the OEM to support other evaluation platforms.

Installation

Copy the file **13A04bmp.exe** to a directory in the path (e.g. PATH=C:\S1D13A04).

Usage

At the prompt, type:

13A04bmp bmpfile [/?]

Where:

bmpfile	Specifies filename of the windows format bmp image to be displayed.
/?	Displays the help message.

Note
13A04BMP displays the bmpfile image and returns to the prompt.

13A04BMP Examples

To display a .bmp image in the main window on an LCD, type the following:
13A04bmp bmpfile.bmp

Note
To display a bmpfile using SwivelView, configure 13A04bmp.exe for the selected SwivelView mode using the configuration program 13A04CFG. For further information on 13A04CFG, see the *13A04CFG User Manual*, document number X37A-B-001-xx.

Comments

- 13A04BMP displays only Windows BMP format images.
- A 24-bit true color bitmap is displayed at a color depth of 16 bit-per-pixel.
- Only the green component of the image is seen on a monochrome panel.
- 13A04BMP does not perform any image translations. The image to display must be the desired dimensions and color depth.