



Picture Production and Bitmap Conversion



GDEP0565D90

Dalian Good Display Co., Ltd.

Picture Production and Bitmap Conversion for GDEP0565D90



Figure 1

This product can only support full screen refresh and partial refresh are not supported. The display content is realized by bitmap conversion of the whole picture. 1 byte controls 1 pixel in the image array. The array and color comparison table is shown below:

color	256 color value
white	0xFF
yellow	0xFC
orange	0xEC
red	0xE0
green	0x35
blue	0x2B
black	0x00

1. How to Make Picture

When creating the image, you need to make a 600 x 448 resolution image. The 7 colors of the picture should be consistent with the standard colors of the drawing board that come with Windows. The color of the drawing board is as follows:

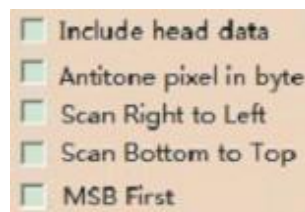


Save the image as a .bmp or .jpg file when it is finished.

2. Bitmap Conversion

Open Image2lcd.exe in the RAR package. Parameter setting is shown in Figure 2:

- 2.1** Open the picture;
- 2.2** "Output file type": Choose "C array (*.c)";
- 2.3** "Scan mode": Choose "Horizon Scan";
- 2.4** "BitsPixel": Choose "256 colors";
- 2.5** "Max Width and Height": Fill in "600" and "448", and click the arrow to confirm;
- 2.6** Don't tick these five items;



2.7 "Reverse color" does not check;

2.8 Click "Save" to save the array as a file of ".c",The array size is 268,800 bytes;

2.9 Replace the corresponding array in the program with the array of ".c" file.

2.10 The updated pictures can be refreshed by "Build" and "Run" in Keil software.

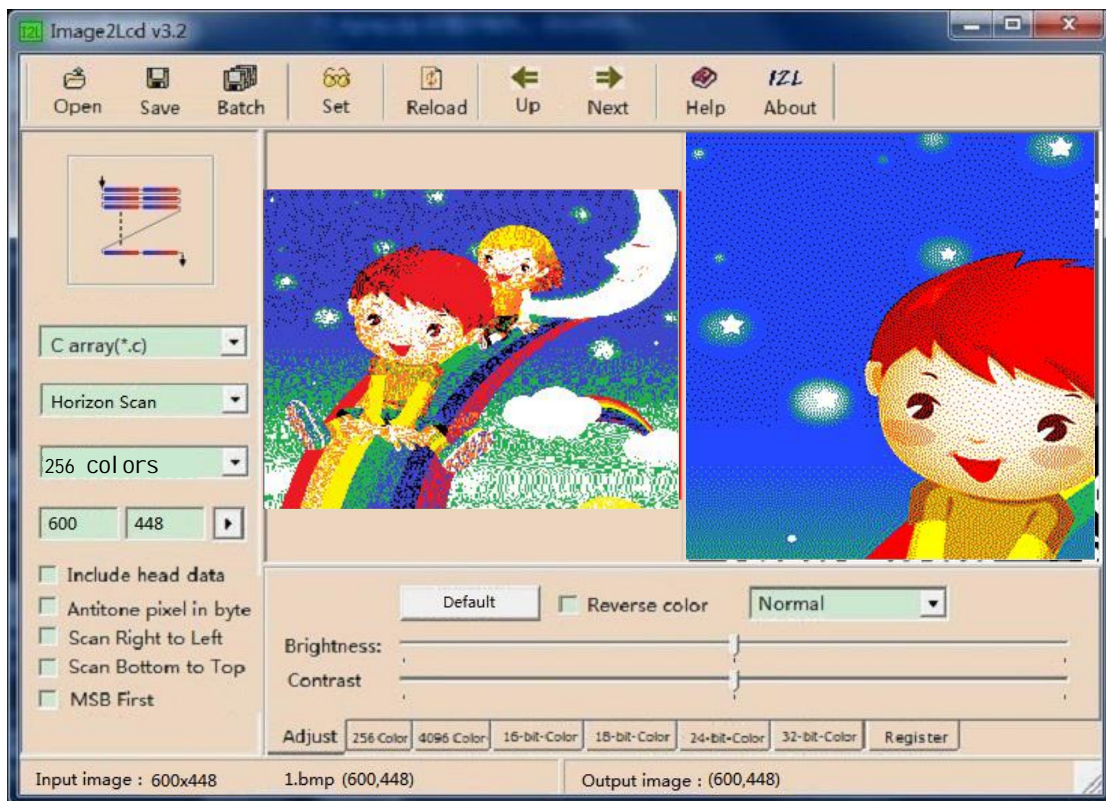


Figure 2