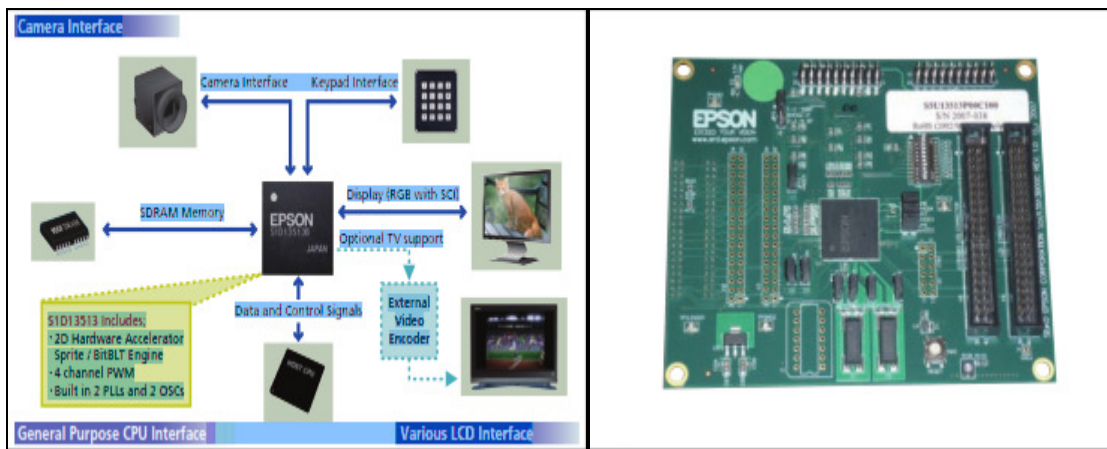


SM EPSON CAMERA BOARD

This product is an evaluation board which uses an EPSON controller S1D13513, CMOS camera module TOKO TMV1320, Tianma TFT TM057KBH01 and USB 2.0 adaptor board.

Block Diagram

The following figure gives block diagram for S1D13513 board interfacing to the camera module.



Over view of Description

The S1D13513 is a highly integrated display controller capable of outputting to LCD or TV. S1d13513 converts color space of images from YUV to RGB LCD display. With the flexibility of an SDRAM memory interface, this low cost, low power, device support a wide range of CPU's, panels & camera port that can be configured as 2x8 bit ports. The S1D13513 feature set & architecture are designed to meet the requirement of embedded systems such as mobile communication, handheld PC's, office automation & automotive applications.

Setup procedure for S1D13513 demo kit

This demo kit works on windows 2000 and windows XP OS. Connect 5V DC adaptor to the demo board and connect 12V DC adaptor to the CFL inverter cable for LCD black light and driver installed for the USB interface board.

The demo simulates the back monitor camera image and speedometer image on the automotive dash panel board. Following two demonstrations are packaged. Speedometer demo uses arbitrary rotation of 2D Sprite engine. Back monitor demo uses 2D BitBLT engine and PIP function.