This is a demo project for the hardware platform:

(1) PIC24-Eval-Board Version B2 with Microchip PIC24FJ128GA010 16-bit MCU
(2) LVC75Z779 3.5" TFT LCD module
(3) 1.3Mpixel CMOS camera module with OV9650 controller chip (TGA130V10_BO)

At time of writing (software version 20122008), basic support of primitive graphic, CMOS camera preview on LCD, and basic IO for SD card has been achieved.

User may study this source code, compile, and download to the target MCU with TGA130V10_BO and a SD card (1GB for my case) inserted to use this demo. Serial monitoring program such as HyperTerminal can be used to learn that the SD card would be initialized successfully, and finally this program will enter into an infinite loop for CMOS camera preview. Serial monitoring program should be adjusted to 19200bps, 8-n-1 for data monitor. Below is a snap-shot for myself by getting this demo running.