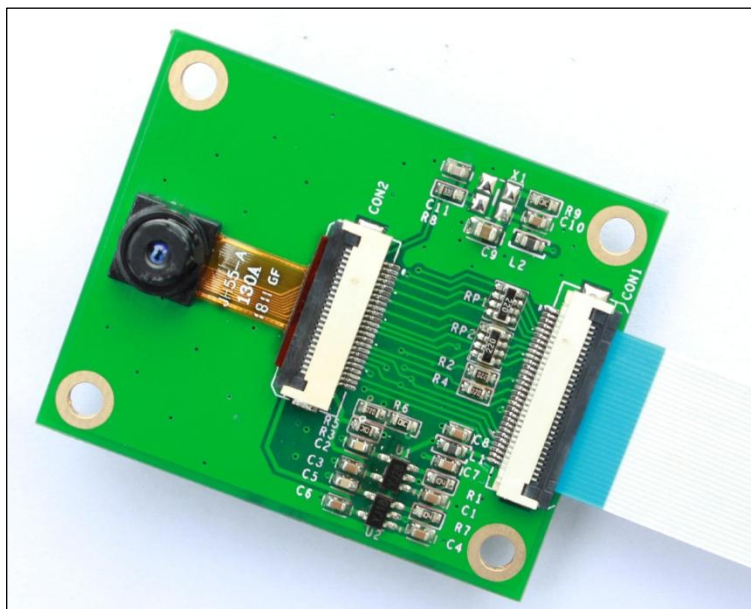# STM32F4DIS-CAM Camera module

Features

- Dimensions: 47.8 mm * 37.6 mm * 6mm

- Signal System: CMOS 1.3 Mega Pixel

- Resolution: Up to 1280 * 1024

- Interface：30-pin FPC connector

- Power Supply：From STM32F4DIS-BB

- Operating Temp.：-10℃ ~ 70℃

- Supports still photos

- Frame Rate :15 fps for SXGA, 30 fps for VGA and CIF

Description

STM32F4DIS-CAM Digital Camera Module, designed by Embest, can be used with the STM32F4DIS-BB evaluation board and STM32F4DIS-LCD Touchscreen. This module contains an OV9655, which is a 1.3 megapixel CMOS SXGA image sensor. This module supports image preview, photo taking and photo storage. It is suitable for applications such as Portable Digital Terminals, Gaming and Home Automation.

Getting Started

1) Connect STM32F4DIS-CAM CON1 to STM32F4DIS-BB CON7 via FFC soft cable when the power is turned off. Please make sure that STM32F4DIS-CAM module is mounted correctly.

2) Connect STM32F4DIS-LCD module onto STM32F4DIS-BB board through CON3.

3) Connect the STM32F4DISCOVERY board to a PC with a 'USB type A to Mini-B' cable through USB connector CN1 to power the board.

4) Load project image and then run program.

5) When the program is running, images collected by the module are displayed on the LCD.