Features

- Base Board for STM32F4DISCOVERY High-performance Discovery Board

- Camera interface

- Micro SD card slot

- 4-wire resistive touch screen

- 3.5 inch TFT color LCD (240 x 320-pixel RGB resolution, 262000 colors, 16-bit 8080 parallel interface, brightness control via PWM)

- 10/100 Ethernet with IEE 1588v2 (RJ45 connector)

- Supports Micrium uC/OS-II_v2.86 & uC/GUI_v3.90a

- Supports FatFs_vR0.08a File System (Used for TF card)

- Supports LwIP_v1.3.2 Protocol Stack

Description

The STM32F4DIS-BB Base Board enables STM32F4DISCOVERY board users to become more familiar with features of the STM32F4xx MCU. The board enables additional functionality to the STF32F4DISCOVERY board including serial ports, USB, Ethernet, CAN, SPI, I2C, GPIO, camera, TF Card, LCD and touch screen interfaces on board. The combination of the STM32F4DIS-BB and the STM32F4DISCOVERY forms a platform for evaluating the STM32F4xx series ARM Cortex-M4 microcontrollers and allows easy prototyping of third party solutions using the STM32F4DISCOVERY board or STM32F4xx series microcontrollers.

Development Toolchains

- IAR, Embedded Workbench® for ARM(V6.40.2 or above version)

- Keil, MDK-ARM(V4.22a or above version)