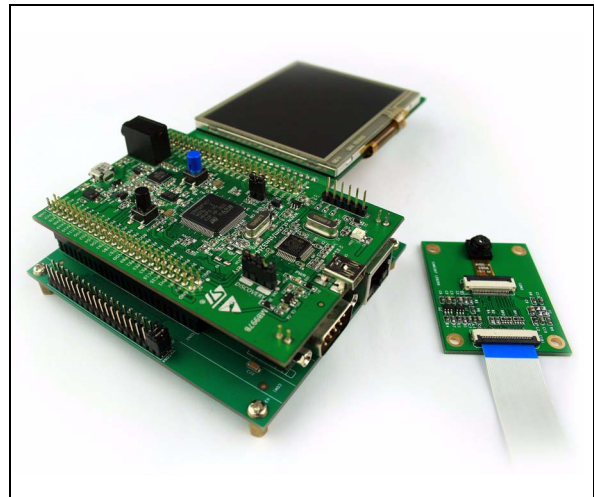




Features

- Base board
 - Micro SD Card™ slot
 - 10/100 Ethernet with IEEE 1588v2 (RJ45 connector)
 - Connector for camera board
 - Connector for LCD board
 - Connector with UART, I2C, SPI, CAN, PWM and GPIOs
- 3"5 LCD board
 - Driving IC: SSD2119
 - Display format: 320 * 240
 - Color: 262K colors
 - Backlight: PWM control
 - Interface: 16-bit 8080 parallel system interface
 - Touch screen: 4-wire resistive touch screen
- Camera board
 - Signal system: CMOS 1.3 Megapixel
 - Resolution: Up to 1280 * 1024
 - Supports still photos
 - Frame rate: 15 fps for SXGA, 30 fps for VGA and CIF.



Description

This set of 3 boards expands the functionality of the STM32F4 Discovery kit. A base board, connected to the STM32 F4 Discovery provides Ethernet connectivity, a micro SD Card™ slot and extension connectors for the 2 other boards, and provides easy access to features such as UART, SPI, CAN and so on. A digital camera board featuring a 1.3 Megapixel CMOS sensor, and a 3"5 LCD board with touch screen capability connect to the base board to form a complete system.

For more information, visit www.element14.com/stm32f4-expansion

Ordering information

Table 1. Order codes

Order code	Reference
STM32F4DIS-BB	Base Board for the STM32F4 Discovery
STM32F4DIS-CAM	Camera board for the STM32F4 Discovery
STM32F4DIS-LCD	3"5 LCD board for the STM32F4 Discovery

For more information, documentation and downloads, refer to STMicroelectronics microcontroller support site, www.st.com.

Revision history

Table 2. Document revision history

Date	Revision	Changes
14-Dec-2012	1	Initial release.

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