

General Description

The epc600/610 evaluation kit is a fully assembled and tested circuit for evaluation of the epc600 and epc610 time-of-flight (TOF) products. It consists of a mainboard which provides all hardware to operate epc600 and epc610 camera modules that come in different configurations.

The evaluation kit uses from the mainboard the "Evaluation" part. This section is equipped with a STM32 ARM Cortex microcontroller. It provides a powerful and flexible development environment for the design engineer. It supports all available camera modules and works with both the epc600 TOF Range Finder and the epc610 TOF Imager Chip.

The separate camera modules come either with an epc600 TOF Range Finder chip or with an epc610 TOF Imager chip. The modules include active LED illumination for the observation area, a complete lens system and have a cable interface to the mainboard, allowing a flexible and convenient placement in a lab setup. The modules are available with 1.4° x 1.4° or 8.7° x 8.7° optical aperture angle.

Hardware Overview

- ① Mounting place epc600 camera module
- ② Camera module connector
- ③ Application / evaluation switch
- ④ STM32 ARM Cortex controller
- ⑤ USB connectors
- ⑥ Dip switch and LED bank
- ⑦ 10 pin Cortex debug connector



epc600 camera module



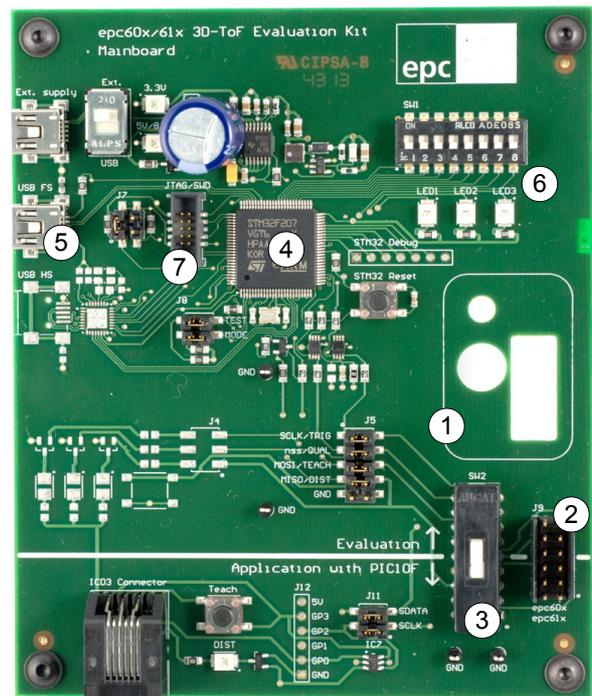
epc610 camera module

Features

- Complete development system for applications using epc600 TOF Range Finders and epc610 TOF Imagers
- Development environment with STM32 microcontroller
- PC connectivity and power supply by USB
- User software (PC/Mac) with visualization and logging features

Kit content

- Mainboard with STM32 microcontroller hardware
- One camera module with either epc600 TOF Range Finder or epc610 TOF Imager. Additional modules available separately
- User interface software for PC and Mac
- Documentation



Net price epc600/610 - Evaluation Kit

Includes either epc600 camera module with 1.4° x 1.4° FOV or epc610 camera module with 8.7° x 8.7° FOV
Additional camera modules

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