STV-676-E01

Evaluation Kit for the STV0676 CMOS Imaging Digital Processor

DATA BRIEFING

Features

- **Up to 30 frames per second VGA**
- **352 x 288 (CIF) and 640 x 480 (VGA) resolution sensors supplied**
- **Supports multiple output image formats**
- **Low power consumption (less than 100mA for VGA at 30fps)**
- **I²C control and digiport output for embedded applications**
- **USB 1.1 compliant**
- **High quality MJPEG compression**
- **DirectShow V2.0 driver,**
- **WinXP WHQL certified.**
- **VfW application via VfW/DS mapper**

Description

The STV0676 Evaluation Kit (EVK) allows the user to demonstrate the images available from the STV0676 imaging digital signal processor when used with the VV6501 or VV6411 CMOS image sensors with VGA or CIF resolution respectively. Drivers included in the EVK permit to view the video output over USB. For embedded applications the EVK allows I^2C control via a PC parallel port and video data output, in YCrCb, RGB preview or MJPEG modes, on the STV0676 8-wire digiport.

The EVK also includes the following:

- Evaluation board,
- VV6411 and VV6501 sensor daughter boards
- USB cable
- User manual
- I^2C to parallel port cable
- CD-ROM with application software, maps and scripts for the user to adjust the STV0676 settings.

Minimum Requirements

- IBM PC (P200MMX minimum specification) or compatible with USB port
- Windows 98 Operating System
- Graphics Adapter capable of 800x600 resolution, 64k colours (“thousands of colours”)
- CDROM drive
- Adobe Acrobat Reader software
- PC with full specification parallel port

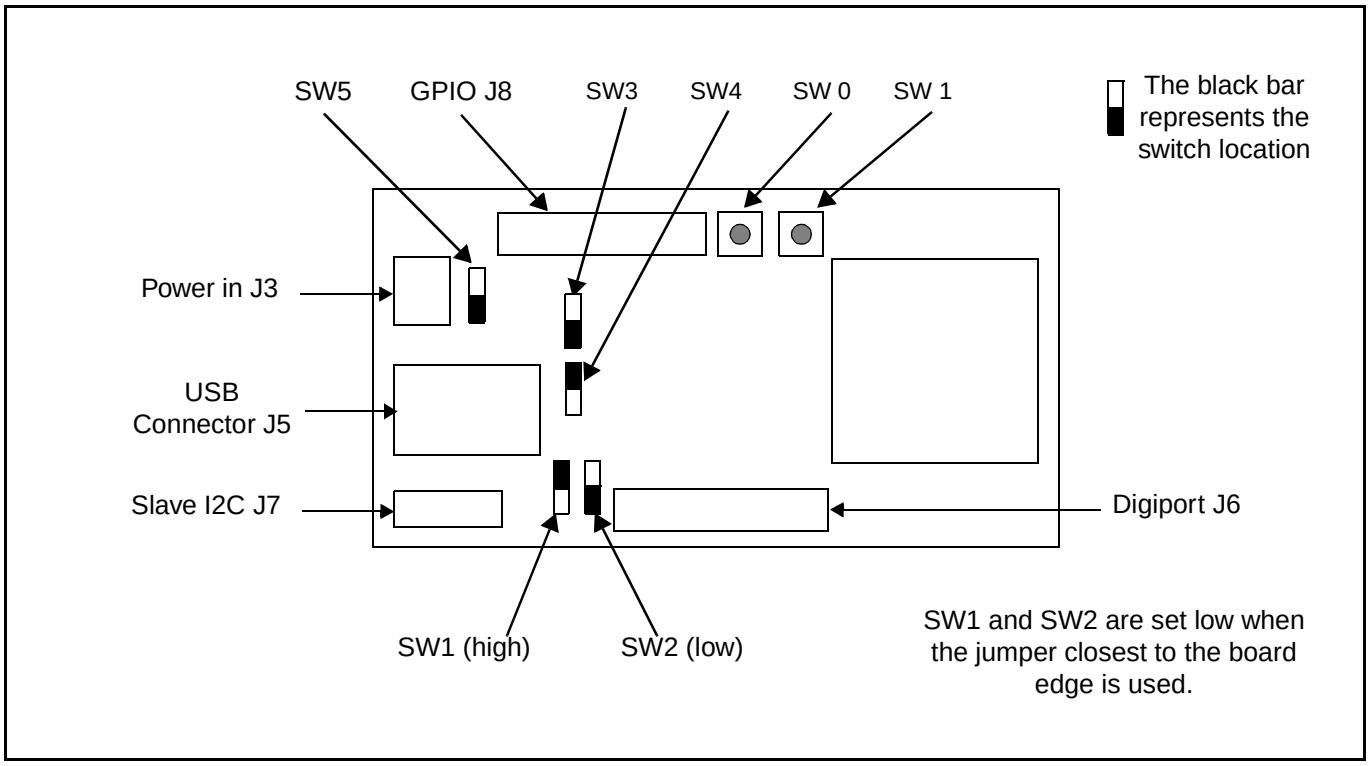
Technical documentation

Datasheet
STV0676 - CMOS digital camera co-mpanion processor
User manuals
User manual for STV-676-E01 evaluation kit for STV0676 used with CIF or VGA CMOS image sensors.
Dual mode camera reference design for STV0676 companion processor and VV6501 VGA CMOS sensor

Ordering Information

Sale type	Description
STV-676-E01	Evaluation kit for STV0676 imaging digital signal processor
VV6501C001	CMOS image sensor with VGA resolution
STV-676/501C-R01	Reference design for STV0676 digital processor and VV6501 CMOS image sensor with VGA output resolution
STV0676	CMOS digital camera companion processor

STV0676 EVK board



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