STV-6501C-E01

Evaluation Kit for the VV6501 CMOS Image Sensor

DATA BRIEFING

Features

- **Enables evaluation of colour sensor performance**
- **PCI interface card with differential interface to reference design board**
- **Example Windows95/98/ME application for image capture, viewing and control**
- **Serial Interface control application**
- **Software Development Kit (SDK) for prototyping or customising application**
- **Full documentation supplied for EVK and SDK**
- **Reference design board documentation available**

Description

T>he STMicroelectronics VV6501 sensor Evaluation Kit (EVK) allows the user to demonstrate the image quality from the VV6501 VGA resolution colour sensor (648 x 484).

The EVK is based on a differential interface card and PCI card that form a general purpose data capture platform for multiple ST imaging sensor products.

The EVK comes with an example image capture application that enables display of sensor video and control of most sensor functions. A more detailed serial interface application gives full access to all sensor serial interface registers. Colour processing algorithms are included to allow display of colour images. In addition, a Software Development Kit (SDK) provides function calls to a set of Dynamic Link Libraries (DLLs) for the user to control the senso, grab image data and manipulate it in their own C/C++ programs.

Minimum Requirements

- IBM PC or compatible
- One free PCI slot
- Windows95/98/ME operating system Windows NT and 2000
- Graphics adapter capable of 800 x 600 resolution, 64k colours (‘thousands of colours’)
- CDROM drive
- Adobe Acrobat Reader software
- C or C++ compiler (only required for SDK use)

Technical documentation

Datasheet
VV6501 - CMOS image sensor with VGA resolution

Ordering Information

Sale type	Description
STV-6501C-E01	Evaluation kit for VV6501C001 CMOS image sensor
VV6501C001	CMOS image sensor with VGA resolution