

CMOS high definition (HD) image sensor-camera demo-kit for rolling shutter

Description

The viimagic demo-kit will show you how to get the best out of our sensor's performance, fast and easy.

Our demo cameras are based on commercially available FPGA platforms used to develop cameras or specific signal processing functions. The systems contain all technical components required for camera control and video processing. The output interface is either DVI-D enabling direct connection of an LCD monitor or measuring equipment.

Features

Hardware

- Camera head with 921x sensor
- Bitec Cyclone 3 board with DVI output interface
- DVI capture card
- USB-I2C converter

Software

- GL-BUS software (I2C control software)
- DVI capture card drivers, installation CD
- Video raw signal converter Software

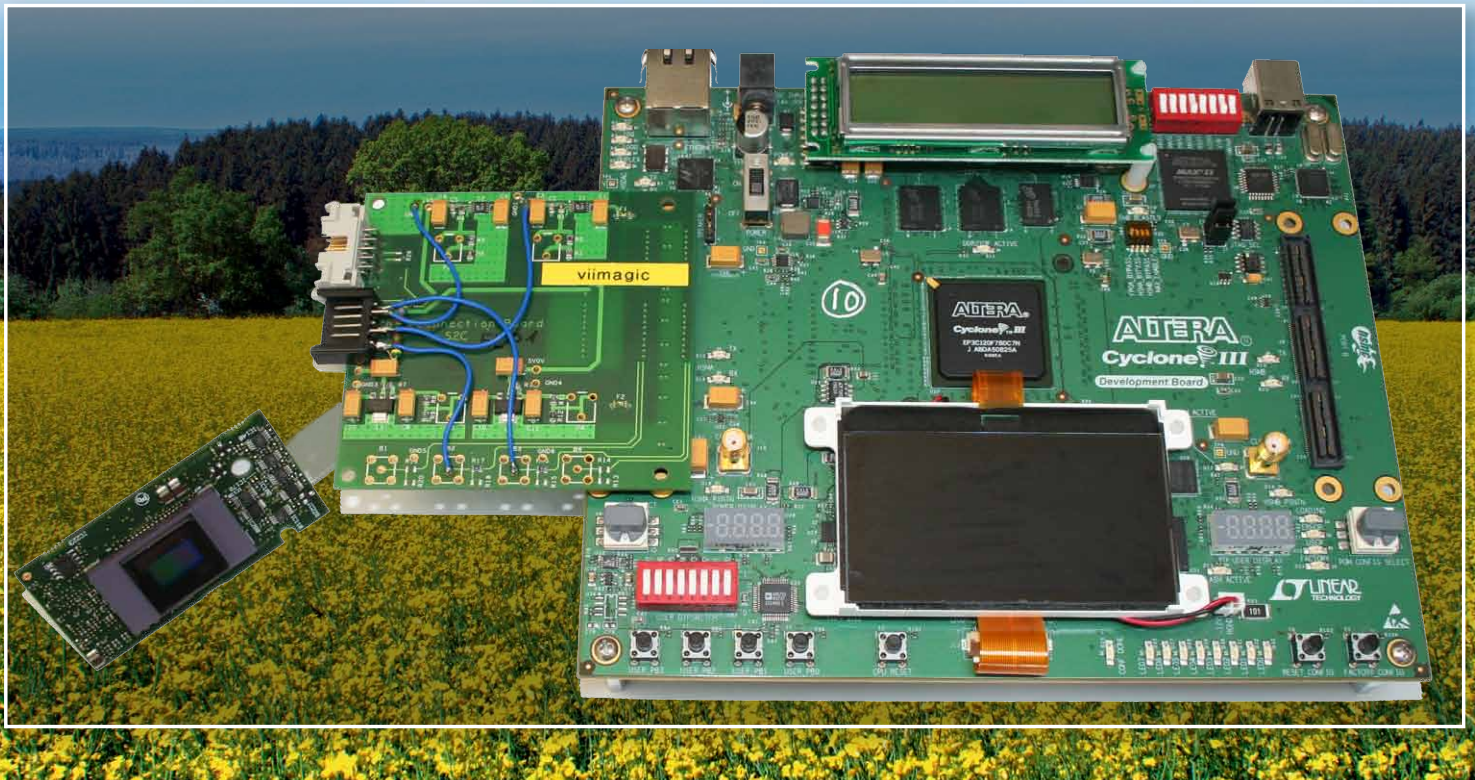


The demo cameras are delivered together with documentation, cables, PC control software, power supply, etc..

viimagic demo-kit, rolling shutter

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viimagic
capture the world in HD



Our demo camera systems are complete, tried-and-tested designs for rapid commissioning by the customer. They offer all basic functions. Advanced parameter settings can also be made easily and intuitively using the PC software supplied. Thanks to their great flexibility, the viimagic demo cameras are also suitable for training purposes.

The Cyclone 3 board can be configured via I2C-bus. Our demo-kit includes a USB-I2C converter in order to interface with your PC. The demo kit supports 1080P25, 1080P30, 1080i50, 1080i60 and HDR (raw data readout only).

With the provided I2C tool settings can be adjusted, e.g. exposure time, gain and black-level. The I2C software runs on a windows XP or win7 PC. The GUI contains register settings and configuration push-buttons. Commands are sent out via USB interface to a USB-I2C converter box that interfaces with the demo-kit.

Contact information:

Please forward any questions you may have to:
info@viimagic.com

viimagic GmbH

Herman-Schwer-Str. 3
78048 Villingen-Schwenningen, Germany
phone +49 (0)7721 944788-0
fax +49 (0)7721 944788-99
web www.viimagic.com