IMG-724-E01

Camera integration kit
for 2 Megapixel CMOS single-chip camera module

Data Brief

Features

■ Up to 30 frames per second UXGA

■ Socketed VS6724 plug-in supplied

■ Customized image size

■ Supports multiple output image formats

■ I^2C control

■ External interface to allow camera data to be supplied to a target application

■ Camera can be controlled from PC via USB 2.0 or from target application

Description

The IMG-724-E01 Camera Integration Kit (CIK) allows the user to demonstrate the images available from the VS6724 CMOS single chip camera module. The camera can be controlled using I^2C commands generated by the supplied software or by the user supplying I^2C commands through the external interface. The CIK is connected to the users PC via a USB 2.0 port. The voltage level of the output signals on the external interface can be set using the on board level shifter. The external interface can also be used to supply power and clocking signals to the camera. A recommended design methodology is included in the documentation, detailing in three steps how a user can move from evaluation to emulation.

Kit contents

The CIK contains the following items:

■ x24 Evaluation board

■ 724 Socket plug-in

■ Tripod and mount

■ USB cable

■ Quick start guide

System requirements

■ Windows XP or 2000 OS

■ CD-ROM or DVD-ROM Drive

■ Empty USB 2.0 port

The following PC specification is recommended as a minimum to run the CIK at 30 fps. Lower specification machines will be able to run the demo, however it will be at a lower frame rate:

■ Processor speed: 1 GHz

■ Memory: 512 MB

■ Graphics: AGP 32 bit color

■ Display: 1024x768 pixels

■ USB 2.0: Intel North Bridge (Internal)

■ Operating system: Windows XP SP2

Technical documentation

The following technical documentation is available

■ VS6724 datasheet

■ User manuals
  – IMG-x24-E01 - Comprehensive user manual for the camera integration kit
  – Quick start guide - Condensed user manual containing all the basics to get you started

■ Application note - A technical introduction to digital imaging for those with little or no knowledge in imaging

Ordering information

Table 1.   Order codes

Sale Type	Description
IMG-724-E01	Camera Integration Kit for the VS6724 CMOS single-chip camera module. Includes a VS6724 on a socket plug-in

Revision history

Table 2.   Document revision history

Date	Revision	Changes
20-Feb-2006	1	Initial release.

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