STV-974/552S-R01

Reference design for STV0974E imaging mobile DSP and VS6552 sensor module

DATA BRIEFING

Features

- **1.8 V operation**
- **Parameterized ViewFinder**
- **Still and live capture modes**
- **Supports up to 30 frame/s VGA streaming to minimize motion distortion**
- **Support for low noise, high performance VisionLink to SmOP (Small Optical Package)**
- **Automatic exposure control including anti flicker**
- **Automatic white balance**
- **Pixel defect correction**
- **DSP noise reduction system**
- **Arbitrary image cropping**
- **Multiple image scaling options**
- **MJPEG compression**
- **Multiple digital video interfaces supported**
- **RGB, YCbCr and JPEG data coding options**
- **Downscale 'MMS Zoom' feature**
- **I^2C communications**
- **Ultra low power standby mode**

Description

The STV-974/552S-R01 demonstration board is designed to showcase the features of the STV0974E and VS6552 chipset. Connecting through a high speed USB 2 interface, the included software allows for effective demonstration of the chipset features.

Evaluation Kit Contents

- Demonstration board fitted with R01 (flex) sensor head
- Tabletop tripod
- USB 2 cable
- Application CD
- User Manual

Recommended Requirements

- IBM PC or compatible
- 2.0 GHz Intel Pentium 4 processor (1.0 GHz minimum)
- 256 MB RAM
- Windows 2000 + SP4 or Windows XP
- AGP graphics card capable of 1024 x 768 display, 32-bit color
- Intel or NEC based USB 2 host controller

Ordering Information

Sale type	Description
STV0974E	Imaging mobile DSP
VS6552V015/T2	CMOS image sensor module
STV-974/552S-E01	Evaluation kit for STV0974E and VS6552, includes flex and socket plug-ins
STV-974/552S-R01	STV0974E/VS6552 Demonstration board comprising VS6552 SmOP mounted via flex attach
STV-974/552S-R02	STV0974E/VS6552 Demonstration board comprising VS6552 SmOP mounted on a socket

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