PRESS RELEASE
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For Immediate Release

e-con Systems Announces Video Decoder Board to support NTSC/PAL camera for Freescale® i.MX53 QSB

Provides Linux Camera Drivers; Delivers Smooth Deinterlaced Video

St. Louis, USA / Chennai, India – February 15th, 2012

e-con Systems Inc., a leading embedded design services company specializing in development of advanced camera solutions and services announces its video decoder board e-CAMNT_MX53x to support analog camera interface for Freescale® i.MX53 Quick start board(QSB).
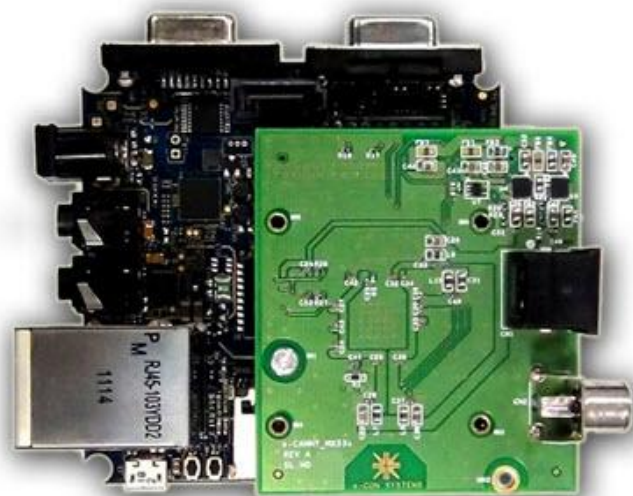
e-con Systems' e-CAMNT_MX53x video decoder board can be used as a plug-n-play to interface NTSC/PAL camera. Along with the adapter daughter card, e-con systems also provides drivers for Linux. The NTSC/PAL video decoder board has interfaces for both S-Video input and Composite video input (CVBS).

"With the e-CAMNT_MX53x, e-con enables our customers to use analog video sources on the Freescale i.MX53x platform and takes advantage of the inbuilt deinterlacer of i.MX53x processors. The camera driver from e-con supports the inbuilt deinterlacer hardware block and displays smooth deinterlaced video from the interlaced analog sources." said Mr. Ashok Babu, President, e-con Systems.

This new NTSC/PAL decoder board measuring 61.5 mm x 54.76 mm, will be helpful for customers who provide solutions for Surveillance, Endoscopy, Low Light Camera applications and other customers who use CCD cameras that supports analog interface.

e-CAMNT_MX53x

e-CAMNT_MX53x - video decoder board connected to Freescale® i.MX53 QSB

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On the backend side, the e-CAMNT_MX53x interfaces with the i.MX53 camera interface also called as the Camera sensor interface (CSI). The CSI is available on the 120 pin header of the QSB. The i.MX53 processor has a hardware deinterlacer and e-con supports Linux driver that makes use of this feature. The e-CAMNT_MX53x converts the analog Video in to YUV and feeds it in to the i.MX53 IPU which takes care of further processing.

Customers who have bought Freescale i.MX53 QSB and are interested in i.MX53 camera support can directly plug in their analog cameras to the e-CAMNT_MX53x. e-con Systems provides Linux drivers with full source code and sample applications for accessing the video frames, capturing still images and recording video.

Customers interested in customizing e-CAMNT_MX53x or integrating other cameras to i.MX53x processors, can approach e-con Systems for support.

The e-CAMNT_MX53x video adapter board will be available for purchase from Feb15[th], 2012 onwards at e-con Systems' online store.

For more information on this board please visit e-CAMNT_MX53x Product page.

About e-CAM

e-CAM is e-con's reference design featuring a camera board with a camera module interfaced to a processor on its high speed CMOS interface. e-con Systems also provides sample drivers for WinCE, Linux and Android. For processors that don't have the Camera ISP pipeline, e-con Systems provides the complete software stack for raw image sensors.

e-con Systems also offers individually crafted custom designs for customers interested in camera modules, other than the ones which are currently being offered as **"off-the-shelf"** solutions. For more information on this e-CAM please visit: www.e-consystems.com/cameramodule.asp and www.e-consystems.com/cameraboard.asp.

About e-con Systems:

e-con Systems, acknowledged by Microsoft as a **Windows Embedded Gold Partner**, is an embedded product development services company focused on concept to product solutions with a strong technology leadership in camera solutions.

e-con Systems has expertise in mobile application processors including PXA320, Freescale i.MX53x, TI DM37x and Digital Media Processors DM355/DM365 and has been using its product engineering services to help customers on development of products based mainly on camera like video surveillance equipment, IP cameras, Low vision aid equipment, document visualizers.

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