PRESS RELEASE
e-con Systems Inc.
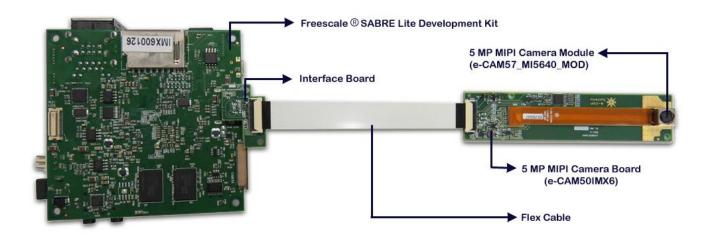+1-314-732-1152
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For release on June 26th only

e-con Systems Launches 5MP Full HD MIPI Camera support for i.MX6 Processor
e-CAM50IMX6 interfaces on to i.MX6 Freescale® SABRE Lite; Streams Full HD 1080p@30fps

St. Louis, USA / Chennai, India – June 26th, 2013, **e-con Systems Inc.,** a leading embedded design services company specializing in development of advanced camera solutions announces the release of 5MP Full HD MIPI Camera Board, e-CAM50IMX6 for Freescale® i.MX6 family of processors. The e-CAM50IMX6 camera board is interfaced directly to the CSI-2 MIPI interface on the Freescale® SABRE Lite board. e-CAM50IMX6 includes e-CAM57_MI5640_MOD, a 5 MP autofocus 2-lane MIPI CSI-2 camera module with 70mm flexible PCB length.

The e-CAM50IMX6 board comes with full schematics and Linux driver support with source code. e-con Systems shall be announcing the support for Android soon.

Figure 1 -
e-CAM50IMX6 Daughter card with 5MP MIPI camera module for I.MX6 processors on Freescale® SABRE Lite

e-CAM50IMX6 can stream Full HD 1080p@30fps and also supports HD 720p@60fps. The i.MX6 processor has support for dual camera interfaces and has the ability to record video at 1080p and 720p resolutions in various industry standard video encoding formats. The e-CAM50IMX6 contains camera board, flex cable and an interface board. The Interface board is plugged directly on to the MIPI CSI-2 camera header of Freescale® SABRE Lite board and the camera board is connected through a flex cable supplied along with the kit.

Customers designing handheld devices, automotive infotainment, industrial & medical HMI, multimedia navigation, industrial automation and for those are in markets such as portable computing, education, industrial, medical and home automation will benefit immensely from i.MX6's high speed and performance. Customers interested in other image sensors/camera modules can approach e-con Systems for interfacing those cameras with i.MX6 and e-con Systems can develop a customized hardware/software solution for them.

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"We are excited to launch our 5MP camera for Freescale i.MX6 CPU and this is a first of the series of cameras from e-con Systems targeting i.MX6 family of microprocessors. The HD and Full HD capable camera daughter with Auto focus feature can help our customers in variety of applications such as automotive infotainment, rear view cameras, portable streaming/recording cameras and video conferencing applications. e-con also provides customization services to our customers interested in using any other CMOS sensor/camera module with i.MX6 with Linux, Android or Windows Embedded Operating Systems." commented Ashok Babu, President, e-con Systems.

e-CAM57_MI5640_MOD is based on Omnivision's OV5640 image sensor and comes with a 70mm flex cable and this can be customized to any form or shape. This provides flexibility in enclosure design as the camera module can be placed as far as 100 mm from the processor interface and solves the complex mechanical design requirements of a typical consumer device.

OmniVision's OV5640 CameraChip™ sensor, which is part of the e-CAM57_MI5640_MOD, has an embedded ISP. The sensor features automatic image control functions including automatic exposure control (AEC), automatic white balance (AWB), automatic band filter (ABF), 50/60Hz automatic luminance detection, and automatic black level calibration (ABLC).

The e-CAM50IMX6 camera board is available for purchase at the cost of USD 69 from e-con Systems' **Webstore** immediately.

For more information, visit the e-CAM50IMX6 **Product Webpage** and **YouTube video**.

About e-CAM
e-CAM is e-con Systems' 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.

In addition to 'off-the-shelf' solutions, e-con Systems also offers individually crafted custom designs for customers interested in camera modules.

For more information, please visit www.e-consystems.com/cameramodule.asp and www.e-consystems.com/cameraboard.asp.

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About e-con Systems

e-con Systems 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 application processors including TI AM/DM37x, Freescale i.MX53x, i.MX6, TI's OMAP4 and Digital Media Processors and has been using its product engineering services to help customers develop products based mainly on camera-like Stereo vision systems, video surveillance equipment, IP cameras, Low vision aid equipment and document visualizers.

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