PRESS RELEASE
e-con Systems Inc.
+1-314-732-1152
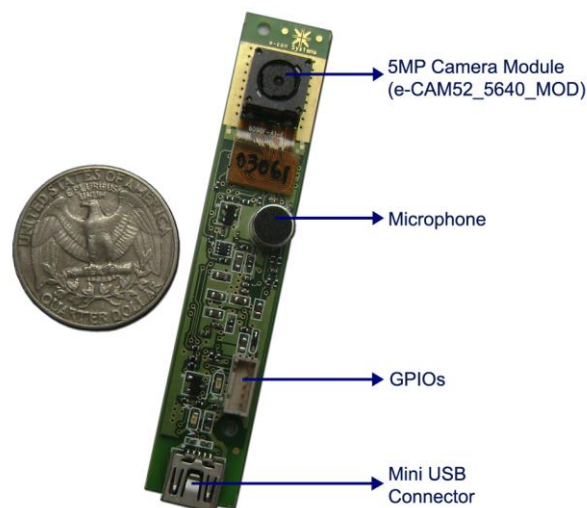sales@e-consystems.com

For Release on May 30th

e-con Systems Launches 5-Megapixel UAC Autofocus USB Camera Module

e-CAM51_USB utilizes OmniVision's OV5640 image sensor to render high quality images

ST. LOUIS and CHENNAI, India — May 30th, 2012 — **e-con Systems Inc.,** a leading embedded design services company specializing in development of advanced camera solutions announces the launch of USB Camera - **e-CAM51_USB,** which houses a 5-megapixel pluggable Autofocus Camera Module **e-CAM52_5640_MOD** based on **OmniVision's OV5640** CMOS image sensor. The e-CAM51_USB supports GPIO and microphone with an integrated analog-to-digital converter (ADC). The e-CAM51_USB is USB Video Class (UVC) and USB Audio Class (UAC) compliant and hence doesn't require any device driver installation on the PC side.

OmniVision's OV5640 CameraChip™ sensor, which is part of the e-CAM52_5640_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). Majority of these features are supported in e-CAM51_USB through the standard UVC protocol allowing all the third party applications on Linux and Windows based Operating Systems be able to work with our USB camera without any issues. The specialty features of e-CAM51_USB, such as GPIO control, Autofocus control and status, Manual focus etc., are supported through UVC Extension Unit interface. E-con Systems supports the developers with an Extended API DLL to leverage these features and supplies sample application that demonstrates these features.

"e-con Systems' UAC Autofocus USB Camera is a highly compelling stand-alone camera solution based on OmniVision's 5-megapixel SoC sensor," commented **Robbert Emery, business development manager at OmniVision.** *"OmniVision's OV5640 image sensor offers on-chip image signal processing, including the 3A functions, JPEG compression, color correction matrix and image stabilization for consumer and industrial handheld applications."*

5MP Camera Module
(e-CAM52_5640_MOD)

Microphone

GPIOs

Mini USB
Connector

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Fig: **e-CAM51_USB** which houses the 5MP Camera Module **e-CAM52_5640_MOD**

Target applications include Document Camera Visualizers, Interactive Teaching & Meeting Solutions, OCR, Scientific Research, Telemedicine/Health, Biometrics and Robotics. These are some of the markets where 5-megapixel resolutions are a must.

"e-CAM51_USB is e-con's 5MP USB camera solution that offers state-of-the art 5MP still image capturing capabilities along with the 720p and 1080p video streaming capability. With the additional UVC extension features, this would enable our customers to develop interesting products and solutions based on our e-CAM51_USB camera and e-con is also geared to help our customers to customize the same for meeting end applications" said **Mr. Ashok Babu, President, e-con Systems**

Customers interested in evaluating the e-CAM51_USB can request for samples from e-con Systems' website http://www.e-consystems.com/5MP-usb-cameraboard.asp. Samples will be available from June 18, 2012.

Customization services

Customers, who are interested in customizing e-CAM51_USB, can contact e-con Systems directly with their requirements. e-con Systems can redesign the module to suit customer's form factor or any other special requirement. Please send email to sales@e-consystems.com for further enquiries.

For more information, please visit the 5-megapixel USB Camera page and video demo.

About e-CAM
e-CAM is e-con Systems' Camera reference design product line featuring a camera board with a camera module with options for either parallel or USB interface. e-con offers off the shelf USB cameras like e-CAM21_USB – 2 Megapixel USB fixed focus camera, e-CAM33_USB – 3 Megapixel USB autofocus camera with UAC & GPIO support and the just launched e-CAM51_USB. On the parallel interface camera board, e-con Systems offers support for a wide variety of processors with drivers for WinCE, Linux and Android.
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For more information, please visit www.e-consystems.com/cameramodule.asp and www.e-consystems.com/cameraboard.asp.

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 mobile application processors including PXA320, Freescale i.MX53x, TI OMAP35x, TI AM/DM37x and Digital Media Processors DM355/DM365 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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For more information please contact:
Harishankkar
e-con Systems Inc., +1 314 732 1152
e-con Systems India Pvt. Ltd., +91 44 42033600
email: sales@e-consystems.com
Website: http://www.e-consystems.com

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