e-con Systems Launches 5MP High Definition (HD) Camera Solution for Gumstix Overo Computer on modules

St. Louis, USA/Chennai, India – October 1st 2010

e-con Systems Inc., an embedded Product Development company based in St. Louis, MO and Chennai, India, today launched their e-CAM50_OMAP_GSTIX, a 5M Pixel High Definition (HD) Camera Solution designed for the OMAP35x-based Gumstix® Overo™ computer-on-module series. The e-CAM32_OMAP_GSTIX camera module is based on Omnivision's OV5642 CMOS image sensor.

e-CAM50_OMAP_GSTIX expansion board works plug and play with any Gumstix® Overo™ computer-on-module and provides 720p at 30fp video. On the back-end, the e-CAM32_OMAP_GSTIX connects to the 8 bit parallel interface of the OMAP35x processor and hence leverages the 130 MHz pixel clock that the OMAP35x processor can support. This camera solution can be used by the customers for various image processing and video encoding applications in various devices enabling higher Framerate and greater resolutions.

"We are pleased to announce the launch of the 5M pixel HD camera board support for the Gumstix Overo series. Enthusiasts and engineers should continue to tap into ready-made solutions like these to decrease time-to-market. Gumstix Overo COMs stream 720p at 30fps and with the Gstreamer support integrated, e-con is able to save video to the flash drive in VGA resolution at 30fps using H.264 Video compression. Customers who are into applications like OCR would benefit from this since 5M pixel has become the minimum standard for such an industry. To speed up the time to market further, e-Con systems also offers services around the camera on OMAP ISP pipeline tuning, camera testing, driver development and performance optimizations on operating systems such as WinCE, Windows Mobile, Linux and Android." said Ashok Babu, President, e-con Systems.

Earlier, e-con Systems had announced its 3MP support for Gumstix Overo COMs with the launch of e-CAM32_OMAP_GSTIX and currently has several customers using this camera board. e-con feels that e-CAM50_OMAP_GSTIX camera board would serve the Gumstix customers who are into applications demanding a good quality Video streaming through HD video at a better Framerate.

"e-con's efforts to develop a range of tiny, functional camera boards increase the range and capabilities that a design engineer can develop for a Gumstix-based solution in surveillance, robotics, image handling and other related video-based product designs" said Don Anderson, EVP of Engineering Services at Gumstix.

Availability
This HD Camera Solution for Gumstix Overo COMs is available starting from October 1st 2010. For more information, please contact sales@e-consystems.com or visit http://www.e-consystems.com/5MP_camera_gstix.asp

About e-con Systems:
e-con Systems, acknowledged by Microsoft as Windows Embedded Gold Partner offers services, Hardware Design, Firmware design and Embedded Software development, Board Design, Linux, WinCE/Windows Mobile and VxWorks - Board Support Packages, in various product domains such as Wired/Wireless Networking, Consumer Appliances, Medical and Process Control Applications, Video streaming, Bio-metric security and Surveillance Applications etc with OS focus on Windows Embedded CE/Linux.

With a passion of "productizing ideas", e-con realizes the concept of the customers in to final products and so far has developed video conferencing equipments, smart phones, industrial data loggers, loyalty terminals, video surveillance equipments, point of sale terminals and reference platforms with Windows CE 6.0/5.0, Linux2.6.25 and Android.

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