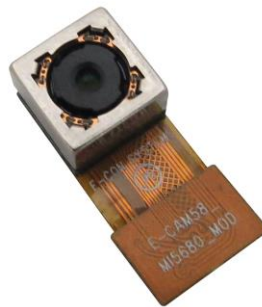**PRESS RELEASE**
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For Immediate release

e-con Systems Launches 5 Mega Pixel RAW Bayer Autofocus camera module
e-CAM58_MI5680_MOD - a RAW bayer camera module with MIPI CSI-2 interface, supports 5MP at 30fps. OV5680 5MP Autofocus CMOS image sensor based on OmniVision's OmniBSI-2 pixel technology.

ST. LOUIS and CHENNAI, India — May 28th 2014 — **e-con Systems Inc.,** a leading embedded design services company specializing in the development of advanced camera solutions announces the launch of the *e-CAM58_MI5680_MOD*, 5 Mega Pixel RAW Bayer Autofocus camera module with MIPI CSI-2 interface. The e-CAM58_MI5680_MOD houses a compatible lens with VCM driver for autofocus and manual focus. The e-CAM58_MI5680_MOD camera module is capable of streaming full 5MP resolution at 30fps and Full HD @30fps (1080p30) and HD@60 (720p60).

Fig1: e-CAM58_MI5680_MOD
5 Mega Pixel RAW RGB Autofocus camera module

The e-CAM58_MI5680_MOD camera module is based on OmniVision's OV5680 an 1/3.2" optical format, 5MP, CMOS image sensor from OmniVision Inc. and comes with a standard 2-lane Mobile Industry Processor Interface (MIPI) Camera Serial Interface Type 2 (CSI-2) output interface. The 5 megapixel OV5680 features OmniVision's advanced OmniBSI-2 pixel technology and employs 1.75-micron sized pixels. This camera module can be used with any Application Processors or Digital Signal/Media Processors or even with USB UVC controllers with a compatible camera interface.

"With the OmniBSI-2 pixel technology and the 1.75micron pixel size, the OV5680 based e-CAM58_MI5680_MOD camera module supports best-in-class low light sensitivity and streaming of 30fps at full 5MP resolution in the raw Bayer image format. The e-CAM58_MI5680_MOD offers superior low light performance than our earlier 5MP MIPI Camera module, e-CAM52_MI5640_MOD." said Mr. Ashok Babu, President, e-con Systems Inc. "Our customers have been asking for a camera module that can stream unprocessed Bayer RGB video at 30fps and we are glad to launch such product in our camera offerings. With our strong expertise in camera integration domain, e-con can take this capability to embedded platforms through MIPI CSI-2 interface and also on PC platforms through USB3.0 interface he added.

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The e-CAM58_MI5680_MOD can be evaluated with ACC-CX3RDK-5680, an add on board to e-con's Denebola - a USB 3.0 UVC Reference Design Kit (RDK) developed by e-con Systems using the EZ-USB® CX3 USB3.0 Peripheral controller from Cypress Semiconductors. The Cypress EZ-USB® CX3 is a USB 3.0 peripheral controller that enables developers to add USB 3.0 connectivity to any image sensors compliant with MIPI CSI-2 standard.

The ACC-CX3RDK-5680 add-on board along with the custom firmware developed convert the Denebola RDK to Evaluation Kit for evaluating the e-CAM58_MI5680_MOD camera module. Customers who already have the Denebola RDK, can order the ACC-CX3RDK-5680 add-on board and obtain the firmware image to evaluate the e-CAM58_MI5680_MOD camera module.
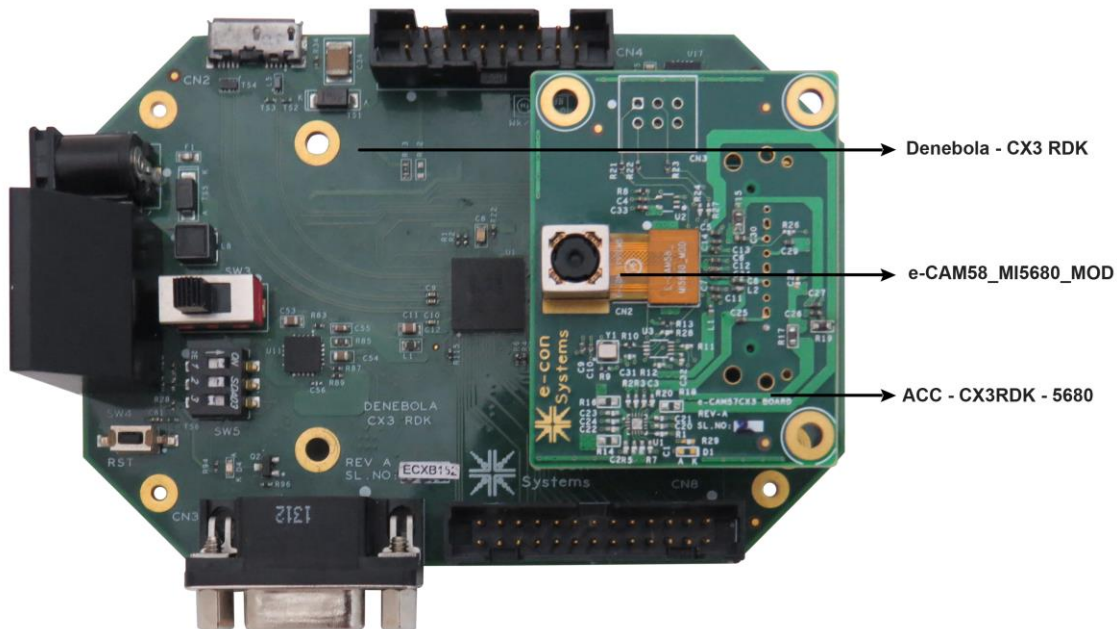

Fig2: Denebola with ACC-CX3RDK-5680 (includes e-CAM58_MI5680_MOD)

The ACC-CX3RDK-5680 is provided along with the firmware image that is specifically developed for evaluating the e-CAM58_MI5680_MOD camera module. e-con also provides the Windows application to evaluate the camera module features.

Availability

The e-CAM58_MI5680_MOD is readily available. Customers interested in evaluating the e-CAM58_MI5680_MOD can order samples from e-con Systems' online Webstore.

For more information, please visit the **5MP Raw bayer - MIPI camera module** page.

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.

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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.

About See3CAM

See3CAM is the new series of UVC compliant USB 3.0 Cameras from e-con Systems, that are "plug and play" on Windows and Linux. See3CAM USB 3.0 Camera does not require additional device drivers and work with the standard Windows (DirectShow) and Linux (V4L2) software.

The See3CAM's USB 3.0 SuperSpeed connectivity enables it to capture images at 720p (HD) @60fps. These simple and cost-effective USB 3.0 Camera series solves the problem of implementing high quality video and image capture in applications such as Machine vision, barcode detection on moving objects and object tracking. e-con Systems provides customization services around these cameras to meet specific customer requirements. See3CAM are also backward compatible with USB 2.0 host

For more information, please visit www.e-consystems.com/See3CAM-USB-3-Camera.asp

About e-con Systems
e-con Systems specializes camera solutions with offerings like camera modules, USB camera modules, camera Device driver development services on Operating systems like Android/WinCE, Camera reference design, Software ISP, camera customization services and camera tuning services.

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