



PRESS RELEASE

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e-con Systems Launches Full HD MIPI Camera support for TI's OMAP4 Processor

e-CAM51_44x interfaces on to OMAP4 PandaBoard; Streams Full HD 1080p @30fps

St. Louis, USA / Chennai, India – Mar 20th, 2013, e-con Systems Inc., a leading embedded design services company specializing in development of advanced camera solutions announces the release of Full HD MIPI Camera Board, [e-CAM51_44x](#) for Texas Instruments' OMAP4 family of processors. The e-CAM51_44x camera board is interfaced to the PandaBoard which is based on OMAP4430 / OMAP4460 processor. e-CAM51_44x includes [e-CAM57_MI5640_MOD](#), a 5 MP autofocus MIPI CSI-2 camera module.

The e-CAM57_MI5640_MOD camera module is based on OmniVision's OV5640 sensor. The e-CAM51_44x board comes with full schematics and Linux driver support with source code. e-con Systems will also be announcing support for Android soon.

e-CAM51_44x can stream Full HD 1080p@30fps and also supports HD 720p@60fps. The OMAP4 processor has support for multiple camera interfaces and has the ability to record video at 1080p@30fps and 720p@60fps. Further it can support resolutions up to 20 megapixels. Customers designing virtual reality devices, 3D gaming with gesture recognition, automotive infotainment or sports cameras will benefit immensely from OMAP4's high speed and performance.

e-CAM57_MI5640_MOD comes with a 70mm flex cable. This provides flexibility in enclosure design as the camera module can be placed as far as 100 mm from the processor interface. This empowers customers who are designing OMAP4 based handhelds / data loggers/ industrial devices with cameras. e-con Systems can also help customers to customize the length of this camera module according to the mechanical requirements.

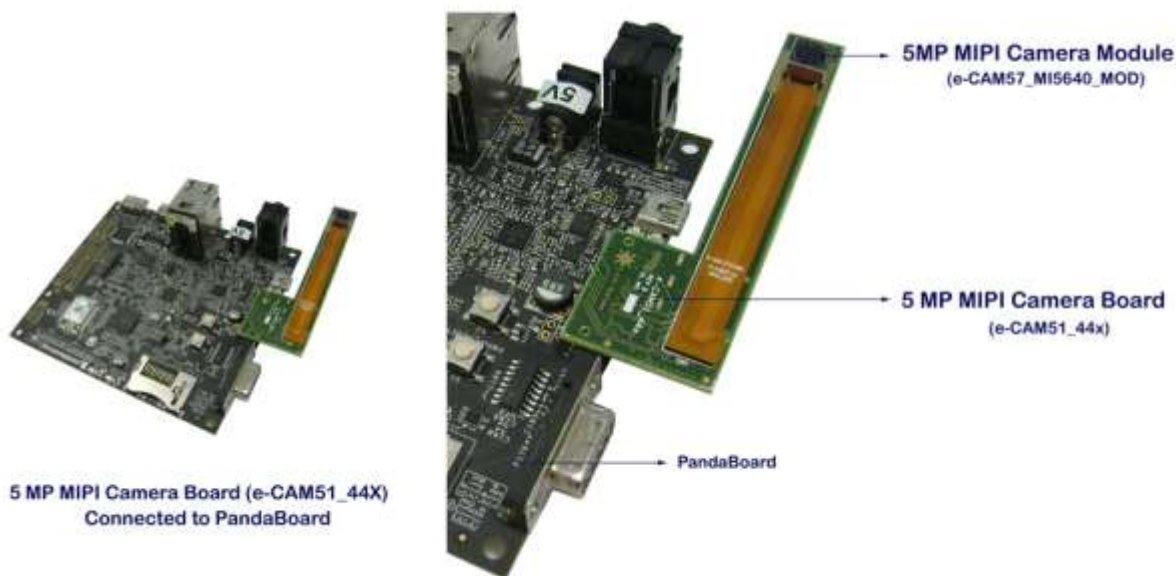


Figure 1 -
e-CAM51_44x – Daughter card with 5MP MIPI camera module for OMAP4430 /4460 processors on TI's Panda Board



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“After successfully launching the MIPI CSI-2 camera for TI AM/DM37x processors, we have widened our leadership in camera solutions by launching MIPI CSI-2 camera board along with the Open Source device drivers for TI OMAP4 family. We have also customized the MIPI CSI-2 camera module with 70mm PCB length and can provide such customized solutions to our customers with the same or different CMOS image sensor. These solutions on OMAP4 will help our demanding customers looking to benefit from e-con’s specialized Product Design Services along with camera expertise!”, commented Ashok Babu, President, e-con Systems.

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-CAM51_44x camera board is available for purchase from e-con Systems’ [Webstore](#) immediately.

For more information, visit the e-CAM51_44x [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.

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 it’s 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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