PRESS RELEASE
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<u>**For Immediate release**</u>

e-con Systems Launches USB 3.0 Near Infrared camera with choice of lenses/filter
Monochrome USB 3.0 camera with M12 lens holder. Options to choose from wide variety of lenses and filter.

ST. LOUIS and CHENNAI, India — Oct 9th 2014 — **e-con Systems Inc.,** a leading embedded design services company specializing in the development of advanced camera solutions announces the launch of the See3CAM_12CUNIR, part of the See3CAM family of USB 3.0 SuperSpeed cameras. The See3CAM_12CUNIR is a small form-factor pluggable camera solution and houses the e-CAM10_CU0130_MOD with M12 lens mount. The See3CAM_12CUNIR supports 720p@60 and full resolution 1280x960 at 45fps.

The e-CAM10_CU0130_MOD is a 1.3 MP UVC-compliant USB 3.0 Monochrome Camera based on the Aptina's AR0130 CMOS image sensor with S-mount lens holder attached to it. The AR0130 is a 1/3" Optical Form factor, Electronic Rolling Shutter CMOS sensor with enhanced sensitivity in the Near Infrared region and superior low light performance. The S-mount lens holder and the optional CS-mount holder for custom high-volume applications allow customers to work with various lenses and the optical filters to meet their application requirements. Customers can also choose the optical filters such as IR-pass filters, IR band-pass filters, NIR notch filters etc. as per their requirements. This UVC compliant camera is plug-and-play in both Windows and Linux. In Windows, the camera is exposed as a DirectShow device and in Linux, as a V4L2 capture source.

"Our customers have been asking for camera solutions with enhanced NIR sensitivity and I am glad with the launch of See3CAM_12CUNIR. The See3CAM_12CUNIR camera supports full12-bits per pixel and is ideally suited for applications such as eye-tracking for gesture control, iris recognition and security applications such as Day/Night vision etc." said **Mr. Ashok Babu, President, e-con Systems Inc**. "Customers can also engage e-con to customize the camera to meet their mechanical form-factor and other customization requirements", he added.
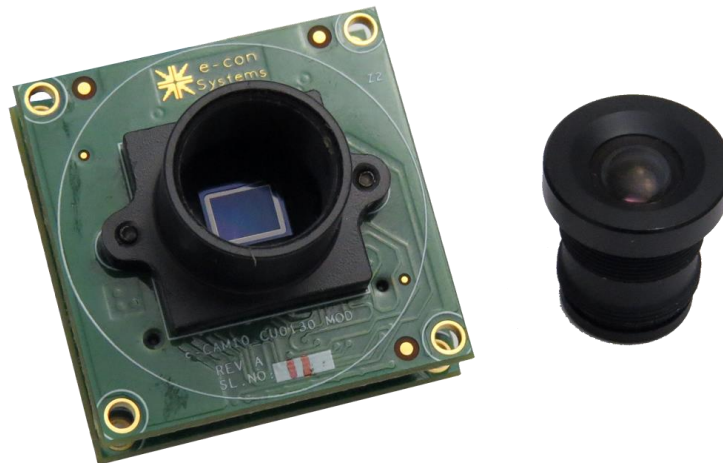

Fig: **See3CAM_12CUNIR CMOS USB 3.0 camera with M12 Lens**

The See3CAM_12CUNIR with enhanced NIR sensitivity for applications in the Near IR spectrum is ideal for customer applications where the flexibility for choosing a lens of their choice is required. See3CAM_12CUNIR can be used in Surveillance cameras for Night Vision

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and Day/Night Vision applications, License plate recognition in parking lots, Iris recognition, Eye tracking etc.

The See3CAM_12CUNIR is capable of streaming camera frames 1280x720 @60fps, 1280x960 @45 fps and 640x480 binned at 45 fps with the pixel depth of 12-bit monochrome data when interfaced to a USB3.0 host port. The See3CAM_12CUNIR comes with external trigger pin which enables to synchronize the exposure of all the pixels on receiving an external trigger. See3CAM_12CUNIR is also backward compatible with USB 2.0 host and can stream 1280x720 @ 12fps and full resolution 1280x960 @ 9fps and 640x480 resolution binned from 1280x960 @ 30fps while connected to USB 2.0 Host.

e-con Systems' sample Linux and Windows applications uses the standard UVC protocol to access the camera controls. The e-CAMView, sample Windows DirectShow based sample video viewer application enables controls such as Gain, Exposure and also external trigger modes.

Availability

The See3CAM_12CUNIR is readily available. Customers have the option to buy the See3CAM_12CUNIR with or without the lens. Also e-con provides 2 lens options one with Full spectrum including NIR and the other lens with IR Band-pass Filter for only NIR spectrum. Customers interested in evaluating the See3CAM_12CUNIR can order samples from e-con Systems' online Webstore.

Customization services
Customers, who are interested in customizing See3CAM_12CUNIR can contact e-con Systems directly with their requirements. Customers who have a lens and would need lens correction services while using the See3CAM_12CUNIR can contact e-con Systems. Please write to sales@e-consystems.com for further enquiries.

For more information, please visit the See3CAM_12CUNIR product page or watch demo video.

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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