



PRESS RELEASE

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For immediate release

e-con Systems launches 4K enabled 13MP Autofocus USB 3.0 Camera

See3CAM_130 - 4K Auto focus USB 3.0 Camera based on AR1335 CMOS sensor and ISP from OnSemi; Features i-HDR and superior low light sensitivity; Streams Ultra HD @30fps

ST. LOUIS and CHENNAI, India – October 26, 2016 - e-con Systems Inc., a leading embedded camera solution company, today announced the launch of [See3CAM_130, a 4K Autofocus USB 3.0 Camera](#). See3CAM_130 is based on the 1/3.2-inch AR1335, a CMOS image sensor from On Semiconductor®. The See3CAM_130 streams **Ultra HD** (3840 x 2160) **at 30fps** and **4K Cinema** (4096 x 2160) **@ 30fps** over USB 3.0 in compressed MJPEG format. This See3CAM_130 streams Full HD (1920x1080) at 60fps and HD (1280x720) at 60fps in both uncompressed (UYVY) and compressed MJPEG formats. See3CAM_130 is a small camera with a form factor of 80 x 50mm.

e-con Systems had earlier launched its hugely successful USB Autofocus camera [e-CAM51 USB](#) 4 years ago and then followed this up with 8MP USB AF [See3CAM_80](#). The See3CAM_130 is a natural progression of its USB Auto Focus cameras.

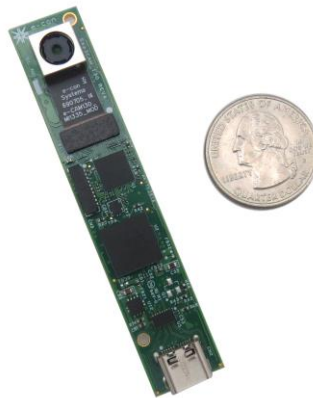


Fig: **See3CAM_130 - 4K Autofocus USB 3.0 Camera**

*“Ever since we launched our first 13MP SuperSpeed USB Camera with fixed focus M12 lens holder in Feb 2015, our customers have been impressed with the image quality of that camera and were asking us for an autofocus version with the similar set of features. Our See3CAM_130 is the most advanced 13MP Autofocus SuperSpeed camera in the industry with superior low responsivity, HDR capability, Type-C Connector for flexibility and 3d syncing capabilities”, said **Ashok Babu**, President of **e-con Systems Inc.** “With See3CAM_130 e-con Systems once again proves its commitment of bringing the state-of-the-art camera solutions to our customers”, he added.*

See3CAM_130 houses a high-performance Image Signal Processor chip (ISP) that performs all the Auto functions (Auto White Balance, Auto Exposure control) in addition to complete image signal processing pipeline that provides best-in-class images and video and the MJPEG compression. See3CAM_130 features interlaced High Dynamic range (iHDR) and also superior low light sensitivity enabling this camera work in both extreme lighting conditions. See3CAM_130



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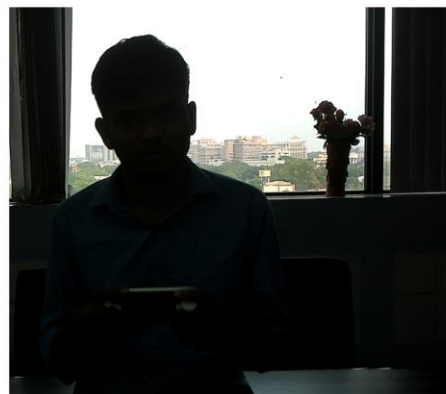
comes with 7 GPIO headers for standard and custom functions. External hardware trigger input is available for 3D sync and 13MP still image capture with zero shutter lag.



iHDR ON



iHDR OFF



i-High Dynamic range sample Images captured with See3CAM_130

Sample Application

e-con Systems provides sample Windows applications, e-CAMView and Linux application, QtCAM that uses the standard UVC protocol to access the camera controls. The e-CAMView, a DirectShow based image viewer application from e-con Systems enables controls such as Gain, Exposure, Saturation, Brightness, Contrast and various other controls. Region of interest based Auto focus and Auto exposure is enabled through extension unit. The extension unit also enables to control Quality factor of MJPEG streaming, Burst mode, iHDR, Scene mode, De-Noise and effects such as Sketch, Negative, Grayscale, etc. The Exposure time can be adjusted manually and noise reduction level can also adjust manually.

QtCam – Open source Linux camera software application enables capturing and viewing video from devices supported by Linux UVC driver and also works with any V4L2 compatible device.



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Availability

See3CAM_130 – 13MP AF USB 3.0 camera is currently available for evaluation. Customers interested in evaluating the See3CAM_130 can order samples from e-con Systems' [online webstore](#). For more information, please write to sales@e-consystems.com.

For more information, please visit [See3CAM 130 – 4K autofocus USB 3.0 camera](#). Also watch See3CAM_130 SDK demo video at <https://www.youtube.com/watch?v=YcPEyVIBEF8>

Customization

Customers interested in customizing See3CAM_130 can contact sales@e-consystems.com for any customization and additional features.

About See3CAM

See3CAM is a 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 and 1080p (Full HD) @30fps. 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 <http://www.e-consystems.com/See3CAM-USB-3-Camera.asp>

About e-con Systems

e-con Systems specializes in camera solutions with offerings like camera modules, USB camera modules, camera boards for various microprocessors, camera Device driver development services on Operating systems like Linux/Android/WinCE, Camera reference design, software ISP, camera customization services and camera tuning services.

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