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

e-con Systems announces 90fps 4K SONY STARVIS™ Camera with ultra-low light performance
SONY STARVIS™ IMX415 Sensor | Ultra-HD 4K Resolution |High Frame Rate (90fps) at 4K |Nvidia Jetson Xavier NX/NANO

San Jose and Chennai (Feb 2, 2020): e-con Systems Inc., a leading embedded camera solutions company, brings its new SONY STARVIS™ based **4K Ultra-HD MIPI camera module** to the market for smart city, sports broadcasting, quality inspection and factory automation applications. This Sony® camera module is suitable for applications requiring high level of image recognition and detection with a compact design, which makes it suitable for video analytics purposes. The new **4K camera module**, e-CAM83_CUMI415_MOD adds to e-con's 4K (Ultra-HD) family of cameras with its unique 90fps streaming capability. This camera comes with the 8MP **SONY STARVIS™ IMX415** CMOS image sensor. Its **low light sensitivity** delivers clear color images even at extremely low light or even no light (nearly 0 lux) conditions. It is capable of **streaming high frame rate (90 fps) at 4K (3840 x 2160) resolution**. Its interchangeable M12 (S-mount) lens allows customers to choose the lens of choice according to their application needs.

"*Next generation of Smart Surveillance cameras powered by NVIDIA Jetson, demand high resolution 4K video for monitoring of large area and our e-CAM83_CUMI415_MOD will be the ideal camera for these applications thanks to its excellent low light capability and 4K video streaming. The first-in-the-segment feature of 4K streaming video at 90 fps Jetson AGX Xavier platform marks e-CAM83_CUMI415_MOD as an ideal solution for AI sports cameras, drone camera photography and many applications requiring high resolution and high frame rates.*" said **Ashok Babu, President of econ Systems, Inc.**
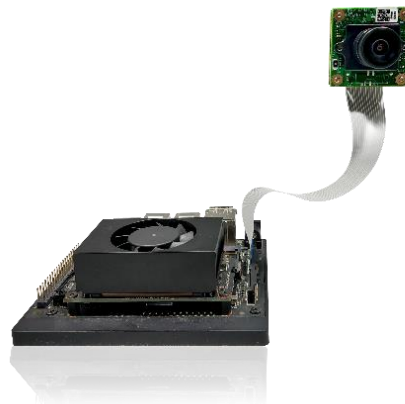

Fig:1 8MP camera module with lens

Fig:2 8MP camera connected with Jetson Xavier NX

The **4K MIPI camera** provides four times the resolution of 1080p, delivering exceptional image details with good color reproduction, which is ideal for applications that require monitoring a huge area such as parking lot management, traffic monitoring systems, smart surveillance etc. The ability to stream 90 fps in uncompressed format along with its low light performance make the product suitable for industrial applications such as factory automation and quality inspection as well.

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To accelerate product development for the above applications, evaluate the **e-CAM83_CUMI415_MOD** camera module. e-con Systems offers camera evaluation kits with both MIPI and USB interfaces,

- MIPI evaluation Kit - **e-CAM80_CUNX** – plugs into the NVIDIA® Jetson Xavier NX™ developer kit.
- USB evaluation kit – **e-CAM82_USB** – USB 2.0 UVC compliant camera

(Note: e-CAM80_CUNX uses NVIDIA's Jetson internal ISP for image processing)

Low Light Images

The color images captured at 0.4 lux and 2.5 lux using e-CAM80_CUNX MIPI camera kit are given below:

e-CAM80_CUNX - SONY STARVIS™ IMX415 MIPI Camera at 0.4 lux   *e-CAM80_CUNX - SONY STARVIS™ IMX415 MIPI Camera at 2.5lux*

Availability

Customers interested in evaluating the 4K MIPI camera module with NVIDIA® Jetson Xavier™ NX developer kit can purchase **e-CAM80_CUNX** from e-con Systems' **online store.** Also, watch the demo video at: https://www.youtube.com/watch?v=lzghxLluH94.

For buying the USB evaluation kit, please write to us at camerasolutions@e-consystems.com

Customization Services

e-con systems also offer extensive customization services and integration support for e-CAM83_CUMI415_MOD if needed. If you are looking for any additional features or customization, please contact us at camerasolutions@e-consystems.com.

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About e-con Systems

e-con Systems Inc. is a leading embedded camera solutions provider. We have a proven track record of serving customers globally across multiple industries for over 17 years. We provide specialized offerings such as camera modules, USB camera modules, camera boards for various microprocessors, camera device driver development services on Windows/Linux/Android operating systems, camera reference design, software ISP, camera customization and camera tuning.

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