PRESS RELEASE

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For immediate release

e-con Systems Launches Camera Support for Google Coral Development Board

SAN JOSE, USA - February 26, 2020 - e-con Systems Inc., a leading embedded camera solutions company, today announced the launch of e-CAM50_CUCRL, a 5 MP camera board for Coral development kit from Google. e-CAM50_CUCRL houses e-con's popular e-CAM55_CUMI0521_MOD camera module and can be directly plugged on to the Coral development kit using the supplied accessories. The camera software driver is V4L2 compliant and is available in open source.

e-CAM55_CUMI0521_MOD is based on AR0521, a 5 MP, 1/2.5" optical format, 2.2-micron pixel size CMOS image sensor from ON Semiconductor®. The on-board high-performance Image Signal Processor (ISP) has been tuned to produce best quality images of up to 5 MP in both uncompressed YUV422 format and compressed MJPEG format. The camera module is interfaced directly to Coral i.MX8M SOM through the 4-lane MIPI CSI-2 interface supporting the maximum frame rate capabilities of the sensor.

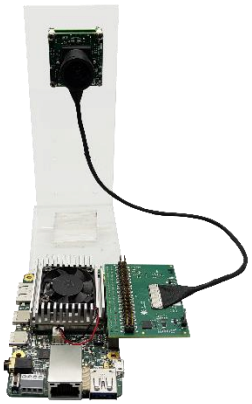

Figure 1: e-CAM50_CUCRL with Coral Development Kit

Figure 2: e-CAM50_CUCRL - 5 MP MIPI Camera

The camera is supported by e-con's open-source V4L2 compliant camera driver which customers can modify as per their requirements. The firmware running on the camera module configures the CMOS image sensor and ISP and communicates with the processor using e-con's standard command control protocol. e-con's software package contains some sample applications allowing our customers jumpstart their application development on Coral development kit immediately. e-CAM50_CUCRL is a perfect solution for customers to start their prototyping and e-con is committed to supply any volume of 5 MP camera module when our customers advance from prototyping stage to mass production stage.

e-CAM50_CUCRL is capable of streaming HD (1280 x 720) at 70 fps, FHD (1920 x 1080) at 60 fps and 5 MP (2592 x 1944) at 25 fps in uncompressed (UYVY) format. The camera produces excellent quality images consistently which is an important requirement for edge inference applications. e-con also helps our customers to choose the optics as per their application requirements.

"When combined with embedded camera technologies, AI can truly be a transformative force - whether they are deployed in smart cities and security programs or parking lots and medical devices. Being an early advocate for AI-on-edge, especially on image inference, e-con Systems combines its expertise in embedded

product development and imaging to bring the best out of Coral for edge inference applications", said **Ashok Babu, President of e-con systems**. *"e-con is excited with the launch of first camera for Coral development kit and will come up with ready-to-deploy smart cameras powered by Edge TPU in the future",* he added.

Availability

The e-CAM50_CUCRL is currently available for evaluation. Customers interested in evaluating the product can order samples from e-con Systems' webstore.

For more information, please visits 5MP MIPI Google coral camera. Also watch the Getting started with e-CAM50_CUCRL

Customization

Customers can contact sales@e-consystems.com for customization and additional requirements.

About e-con Systems

e-con Systems specializes in camera solutions with 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.

For more information please contact:

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