PRESS RELEASE
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e-con Systems and Variscite LTD collaborate to launch an Ultra-HD MIPI Camera for NXP's i.MX8 family of Processors.

Following the great demand for a high-resolution camera for i.MX8 processors, e-con Systems has launched a 4-lane MIPI CSI-2 13MP Autofocus camera integrated with Variscite's i.MX 8 System-on-Module (SoM) platforms. The initial release is compatible with Variscite's DART-MX8M SoM based on NXP's iMX8M processor. However, the company has already announced its intentions to expand the compatibility options to support additional Variscite SoM solutions based on the i.MX8M-mini, i.MX8X and i.MX8 QuadMax processors.

ST. LOUIS and CHENNAI, India – June 05, 2019 - **e-con Systems Inc.,** a leading embedded camera solution company and **Variscite**, a leading System on Module designer, developer and manufacturer, jointly announced today the launch of the **e-CAM130_iMX8M**, 13MP Autofocus camera based on 1/3.2-inch AR1335 CMOS image sensor from ON Semiconductor®. **i.MX8** Series processors along with the high-resolution autofocus camera is a perfect combination for high-end industrial systems, vision System, HMI, video conference, and etc.,

The e-CAM130_iMX8M will provide an ideal solution for Variscite's i.MX8 based System on Modules. Although the first release of the camera was designed to fit **Variscite's i.MX8M based solution, the DART-MX8M Evaluation Kits,** the camera extension board's physical connection are the same in all Variscite's i.MX8-based development kits. Therefore, the companies are already working on additional drivers releases to finalize the camera's support for additional products. Starting with the DART-MX8M-MINI based on NXP i.MX 8M-MINI, following the VAR-SOM-MX8X based on NXP i.MX 8X, the VAR-SOM-MX8 and the SPEAR-MX8 platforms based on NXP i.MX 8QuadMax. The DART and VAR-SOM modules above are a part of Variscite's Pin2Pin families which allow the end customers to leverage a single carrier board for different platforms for full scalability and flexibility.
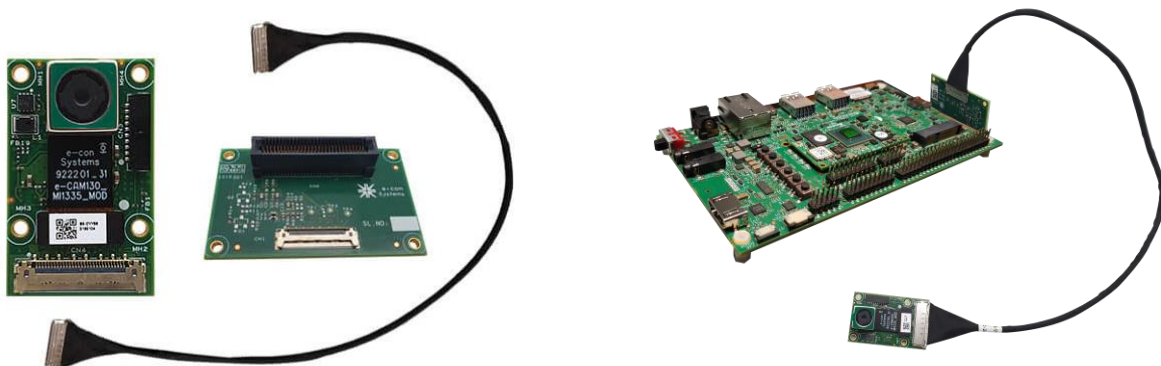

Fig-1: e-CAM130_iMX8M – 13MP Autofocus camera Board   **Fig-2: e-CAM130_iMX8M connected to Variscite's IMX8M Board**

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"We are excited about the cooperation with Variscite to support our wide range of embedded camera modules on their SOM platforms which will enable our customers to build next generation multimedia products and embedded vision solutions" said **Ashok Babu**, President of **e-con Systems Inc**.

"The cooperation with e-con Systems allows Variscite to expend the eco-system range we provide for our customers and meet our customers' increased demand for high-end multimedia solutions" said **Ofer Austerlitz, VP Business Development and Sales** at **Variscite**.

e-CAM130_iMX8M is a 13MP 4-lane MIPI CSI-2 autofocus camera board for Variscite's DART-MX8M Evaluation kit (VAR-DVK/STK-DT8M). This iMX8 camera can be directly connected to the serial camera connector (J11) of the carrier board. e-CAM130_iMX8M comes with a high-performance Image Signal Processor (ISP) that performs all the Auto functions (autofocus, auto white balance, auto exposure control). e-CAM130_iMX8M can stream Full HD 1080p@60fps and also supports 4K@15fps.

Availability

The e-CAM130_iMX8M is currently available for evaluation and can be ordered from e-con Systems' online store. The DART-MX8M System on Module is available for orders in production quantities, the related evaluation kits and samples can be ordered directly from Variscite's online store.

For more information about the e-CAM130_iMX8M, please visit:
https://www.e-consystems.com/imx8-mipi-camera-board.asp
Also, watch the demo video at https://www.youtube.com/watch?v=SuvWHvIpP8E&feature=youtu.be
For more information about the DART-MX8M platform, please visit:
https://www.variscite.com/product/system-on-module-som/cortex-a53-krait/dart-mx8m-nxp-imx-8m/

Customization

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

About e-con Systems

e-con Systems specialize in camera solutions with offerings like MIPI 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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