

e-con Systems Introduces Multi-Camera Solutions for Renesas RZ/V2H in Vision-AI Applications

Tags: Full HD/ Low-power/ Multi-Camera Support / Sony Starvis™ / vision-AI / Ultra-low light / Embedded vision solutions / High-performance cameras

California & Chennai, February 29, 2024 – As a testament to the robust partnership, [e-con Systems](#), a global leader in embedded vision solutions, introduces its cutting-edge multi-camera solution series for the latest Renesas RZ/V2H microprocessor. This innovative series aims to address the evolving demands of vision-AI applications across various industries such as AMR, smart retail, smart city, factory automation, and robotics.

As part of our multi-camera solution series for Renesas RZ/V2H, e-con Systems presents [e-CAM22_CURZH](#) - Full HD Ultra-low light color camera based on 1/2.8" Sony Starvis™ IMX462 CMOS image sensor. This camera is meticulously designed to seamlessly integrate with the Renesas RZ/V2H development kit, offering synchronized multi-camera solutions that can support up to four cameras. It houses e-CAM231_CUMI462_MOD - a Full HD, low-power, high-performance camera module with a built-in ISP, guaranteeing exceptional image quality.

Know more: [e-CAM22_CURZH](#)

“By combining the extensive features of e-con Systems’ camera portfolio with the Renesas RZ/V2H microprocessor, we aim to revolutionize the landscape of embedded vision solutions. Our integrated solutions empower developers to swiftly create high performance and power efficient smart embedded devices for vision sensing AI applications, accelerating innovation and time to market.” said Suresh Madhu, Head of Product Marketing at e-con Systems.

In addition to our premier offering, e-con Systems will present a diverse lineup of cameras that leverage the capabilities of the Renesas RZ/V2H microprocessor. Each camera within this lineup brings its unique features, contributing to a comprehensive range of capabilities including high resolution, high frame rate, HDR, rolling shutter, global shutter, exceptional low-light and NIR performance, LFM, IP67 and IP69K ratings, and more.

Think Camera. Think e-con.



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“After the successful collaboration in providing camera solutions for our RZ/V2L and RZ/G2L processors, we are thrilled to team up again with e-con to provide multicamera solutions for the new RZ/V2H processor,” said Daryl Khoo, Vice President of Embedded Processing 1st Business Division at Renesas. “This collaboration will offer customers a complete vision solution that addresses the demanding requirements of today’s vision AI applications, while accelerating time-to-market.”

The Renesas RZ/V2H microprocessor is a vision AI microprocessor that enables real-time vision processing and system control through a combination of the Dynamically Reconfigurable Processor (DRP) and Cortex®-R8. Equipped with features such as AI performance scalability and Renesas’ original AI accelerator DRP-AI, capable of delivering up to 80_TOPS, the RZ/V2H series ensures superior AI performance and power efficiency of up to 10_TOPS/W, making it an ideal choice for vision sensing AI applications.

To learn more about Renesas’ RZ/V2H, [please visit](#)

For more information on e-con Systems cameras for Renesas, [please visit](#)

Customization and integration support

e-con Systems, with its deep expertise in and knowledge of various camera interfaces, provides the necessary customization services and end-to-end integration support. It ensures that unique application requirements can be easily met. If you are looking for any customization or integration support, please write to us at camerasolutions@e-consystems.com.

About e-con Systems™

e-con Systems™ designs, develops, and manufactures OEM cameras. With 20+ years of experience and expertise in embedded vision, it focuses on delivering vision and camera solutions to industries such as retail, medical, industrial, agriculture, smart city, etc. e-con Systems’ wide portfolio of products includes Time of Flight cameras, MIPI camera modules, GMSL cameras, USB 3.1 Gen 1 cameras, stereo cameras, low light cameras, etc. Our products are currently embedded in over 350+ customer products. So far, we have shipped over 2 million cameras to the United States, Europe, Japan, South Korea, and many more countries.

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