e-con Systems™ launches New 120 dB HDR Low-Light USB Camera: Stunning Detail in low-light

Tags: SONY ISX031 | HDR | Low-light |3MP | USB | LFM | 5:4 Aspect Ratio | sub-pixel HDR technology | High Sensitivity

California & Chennai (July 25, 2024): e-con Systems™, a global leader in embedded vision solutions, is excited to unveil the latest product, See3CAM_CU31 - a 3MP HDR Low-Light USB Camera. Building on the success of its GMSL version, this high-performance camera stands out in the market with its unique combination of USB interface and the advanced SONY ISX031 automotive-grade sensor. This USB camera is ideal for applications in dashboard cameras, delivery robots, intelligent transportation systems (ITS), and more.

Leveraging sub-pixel HDR technology, this camera offers an impressive HDR performance of up to 120 dB, along with LED Flicker Mitigation. This advanced technology ensures clear, motion-blur-free images even in highly dynamic environment, while LFM ensures stable image capture under flickering light sources.

Figure 1: See3CAM_CU31 HDR Low-Light USB Camera (with Enclosure)

In addition to its HDR capabilities, See3CAM_CU31 camera excels in capturing superior images in low-light conditions. With plug-and-play functionality, See3CAM_CU31 offers easy integration, allowing you to quickly set up and start using the camera without any complex configurations.

See3CAM_CU31 comes with the 5:4 aspect ratio, providing more vertical coverage without sacrificing horizontal details. This unique feature makes it particularly beneficial for applications that require additional vertical resolution, enhancing the camera's versatility for applications such as intelligent transportation systems (ITS) and parking lot management.

Figure 2: See3CAM_CU31 HDR Low-Light USB Camera (without Enclosure)

Furthermore, it is built to withstand extreme industrial-grade temperatures, operating seamlessly in a range from -40°C to 85°C, making it perfect for any demanding environment.
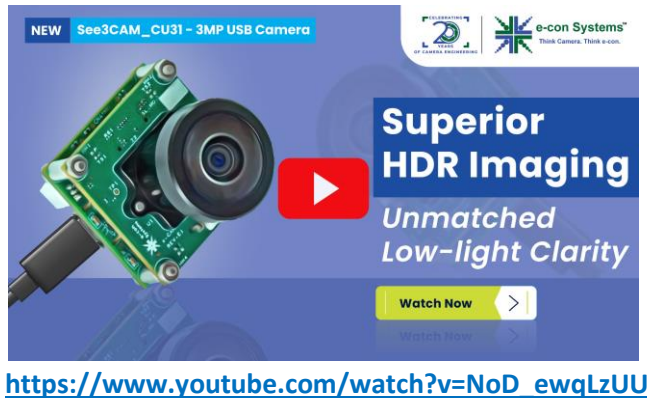
"See3CAM_CU31 represents a substantial leap forward in HDR and low-light imaging technology with USB. We are confident it will offer significant benefits to our customers across various industries. This camera delivers exceptional performance and versatility making it an ideal choice for diverse applications like dashcams, intelligent transportation systems (ITS), and more." said Suresh Madhu, Head of Industrial Business Unit at e-con Systems.

https://www.youtube.com/watch?v=NoD_ewqLzUU

Availability

For evaluating the capabilities of the See3CAM_CU31, please visit the online web store and purchase the product.

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 for See3CAM_CU31. It ensures that unique application requirements can be easily met.

We specialize in developing cameras based on any SONY® sensor, offering options with high resolution up to 20MP. 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, GigE cameras, low light cameras, etc. Our cameras 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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