PRESS RELEASE
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e-con Systems Launches IP67 Rugged GMSL2 Camera and Camera Kit Powered By NVIDIA Jetson Edge AI Platform for Industrial Applications

Industrial grade | 15 meters cable support | Full HD with built-in HDR | GMSL2 | deserializer interface board for NVIDIA Jetson AGX Xavier Developer Kit

San Jose and Chennai (Sep 1, 2020): e-con Systems Inc., a leading embedded camera solutions company, today announced the launch of its **STURDeCAM20** industrial grade GMSL camera and **STURDeCAM20_CUXVR** camera kit leveraging the powerful capabilities of the NVIDIA® Jetson™ edge AI platform. The new offerings accelerate time to market for customers developing and deploying ruggedized applications for industrial and outdoor environments such as autonomous mobile robots (AMR), delivery robots, sidewalk robots, blind spot cameras for large vehicles, mining vehicles, forklifts, surround view systems, and more.

The **STURDeCAM20** is based on a Full HD CMOS sensor with well-tuned image signal processor (ISP) packed in an IP67 rated (water and dust proof) enclosure with operating temperature of -40 to 85°C. It ships with a 15-meter coaxial cable, enabling seamless high-quality video streaming with very low latency. The camera's single frame 3.0 um dual conversion gain pixel technology and 96 dB high dynamic range (HDR) delivers stunning images even in harsh outdoor conditions and low lighting environments.

"STURDeCAM20 is our first product of a family of IP67 rated ruggedized cameras targeted for use in harsh outdoor environments particularly for new age edge-AI powered applications. Working with edge-AI leader like NVIDIA on their leading-edge AI platform like Jetson, not only completements our STURDeCAM family of rugged cameras, but also helps our customers to speed up their product development instead of spending time on camera selection or ISP tuning or ruggedizing the cameras for their industrial/outdoor use cases" **said Ashok Babu, President of econ Systems, Inc.** *"Being a Preferred Partner of Jetson Ecosystem since 2018, this marks a major milestone in our partnership and enables our customers to come up with innovative AMR and vision based applications by leveraging the ready-to-deploy STURDeCAM cameras and Jetson platforms"*, **he added**.

To speed up the development process for developers, e-con Systems also offers the fully integrated STURDeCAM20_CUXVR Camera Kit, comprising one STURDeCAM20 camera and a deserializer board that plugs into the NVIDIA Jetson AGX Xavier developer kit. This allows developers to connect up to six STURDeCAM20 cameras and enables synchronized Full HD streaming at 30 fps simultaneously.

"With the e-Con camera kit for the Jetson AGX Xavier, developers get an integrated, easy to use ruggedized solution for vision-based embedded applications in harsh environments like robotics, industrial IoT and more," **said Murali Gopalakrishna, Head of Product Management, Autonomous Machines at NVIDIA and General Manager for Robotics at NVIDIA.** *"e-con's support for the Jetson platform brings valuable experience in industrial cameras into our partner ecosystem."*

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Fig:1 **STURDeCAM_20** – 2MP IP67 rugged HDR Camera with GMSL2 interface

NVIDIA Jetson is the leading AI-at-the-edge computing platform, with nearly half a million developers. With support for cloud-native technologies now available across the full Jetson lineup, manufacturers of intelligent machines and developers of AI applications can build and deploy at scale high-quality, software-defined features on embedded and edge devices targeting a wide variety of applications.

Availability

The STURDeCAM20_CUXVR camera kit is currently available for evaluation with the NVIDIA® Jetson AGX Xavier™ Developer Kit. Customers interested in evaluating the STURDeCAM20 and STURDeCAM20_CUXVR can contact sales@e-consystems.com.

Customization Services

If you are interested in customizing the STURDeCAM20 or for any additional features, please contact camerasolutions@e-consystems.com

Also, watch the demo video here:

https://www.youtube.com/watch?v=3mffvxLGCfM&feature=emb_title

About e-con Systems

e-con Systems, an NVIDIA Preferred partner, is a leading embedded camera solutions provider. We have a proven track record of serving customers across multiple industries, all over the world, for over 16 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.

For more information please contact:
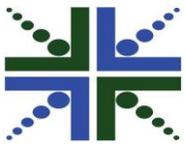
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