NEWS RELEASE

Critical Link, LLC
6712 Brooklawn Parkway
Syracuse, NY 13211
Contact: Amber Thousand,
Director of Marketing
Phone: 315-425-4045
Fax: 315-425-4048
E-mail: info@criticallink.com
Web Site: www.criticallink.com

Media Contact: Marlene Moore
Smith Miller Moore
Phone: 818-708-1704
www.smithmillermoore.com

For Immediate Release

Critical Link Introduces MityCAM-C50000 for CMOS Sensor Evaluation and Embedded Applications

• The new **MityCAM-C50000** platform serves as the evaluation kit for the CMV50000 image sensor from ams / CMOSIS, and can jump-start embedded system development.

Syracuse, N. Y. – December 19, 2018 – **Critical Link**, a leader in embedded electronics solutions, announces its latest embedded imaging solution, the **MityCAM-C50000**. The new MityCAM-C50000 serves as the official evaluation platform for the CMV50000 CMOS image sensor from ams / CMOSIS. The global shutter sensor features 47.5MP resolution (7920 pixels x 6004 pixels) at 30 frames per second, with mono and RGB color options, low dark noise, and high dynamic range. The sensor outputs in subLVDS mode and provides special capabilities in binning, subsampling, and on-chip corrections.

"The performance of the CMV50000 sensor is unparalleled for machine vision and video applications," notes Omar Rahim, vice president of imaging products at Critical Link. "We are pleased to have been selected by the ams team to develop this evaluation kit. The CMV50000 sensor and the MityCAM-C50000 platform are enabling innovation on factory floors, in healthcare, and numerous other areas."

The MityCAM-C50000 provides multiple interfaces including USB3 Vision® and HDMI preview as standard, with custom options to include CoaXPress, Camera Link, GigE Vision®, and others.

The system is based on an open architecture embedded processing design utilizing Critical Link's MitySOM-A10S image processing board. The board features Intel's Arria 10 SoC with dual core Cortex-A9 ARMs and up to 480KLE user-programmable FPGA fabric, DDR4 memory, and 12 high-speed transceiver pairs, making it an ideal solution for embedded vision and scientific imaging applications.

Mr. Rahim adds, "For many, the idea of programming an FPGA can be daunting. Today, however, new tools are making development easier and faster for image processing and machine vision applications."

The MityCAM-C50000 architecture supports a number of development tools, including OpenCL™ and high-level synthesis (HLS). This ensures that anyone who can code in C/C++ is able to work with the FPGA. OpenCL also enables software acceleration, generating significant improvement in application speed.

Customers interested in the MityCAM-C50000 for evaluation of the CMV50000 sensor may connect with their local ams representative, or contact Critical Link via info@criticallink.com. Developers designing a custom system around the CMV50000 are encouraged to contact Critical Link before getting started to obtain design files and other helpful information. Critical Link's engineering team is also available to assist with new development projects or customization of the MityCAM-C50000 design.

To learn more about the MityCAM-C50000, visit https://www.criticallink.com/product/mitycam-c50000/.For information on the CMV50000 sensor from ams, visit https://ams.com/cmv50000.

About Critical Link

Syracuse, N.Y.-based Critical Link (www.criticallink.com) is an embedded system engineering firm providing system on modules (SOMs) and embedded imaging solutions for industrial performance applications. The company's expertise in image sensor integration, system-on-chip (SoC) and field-programmable gate array (FPGA) designs, vision protocols, and signal processing has made it a leader in board-level solutions and custom designs for OEMs and embedded developers around the world. Critical Link is a Platinum Member of the Intel (Altera) FPGA Design Solutions Network and the Intel IoT Solutions Alliance, and is ISO 9001:2015 Registered by SRI Quality System Registrar.