

MityCAM-C8000

The MityCAM-C8000 couples an 8MP CMV8000 CMOS imaging sensor from CMOSIS with the processing technology in Critical Link's Altera Cyclone V SoC System on Module. The open architecture design allows you to load your algorithms directly into the hardware for advanced on-board processing.



MityCAM-C8000 System Features:

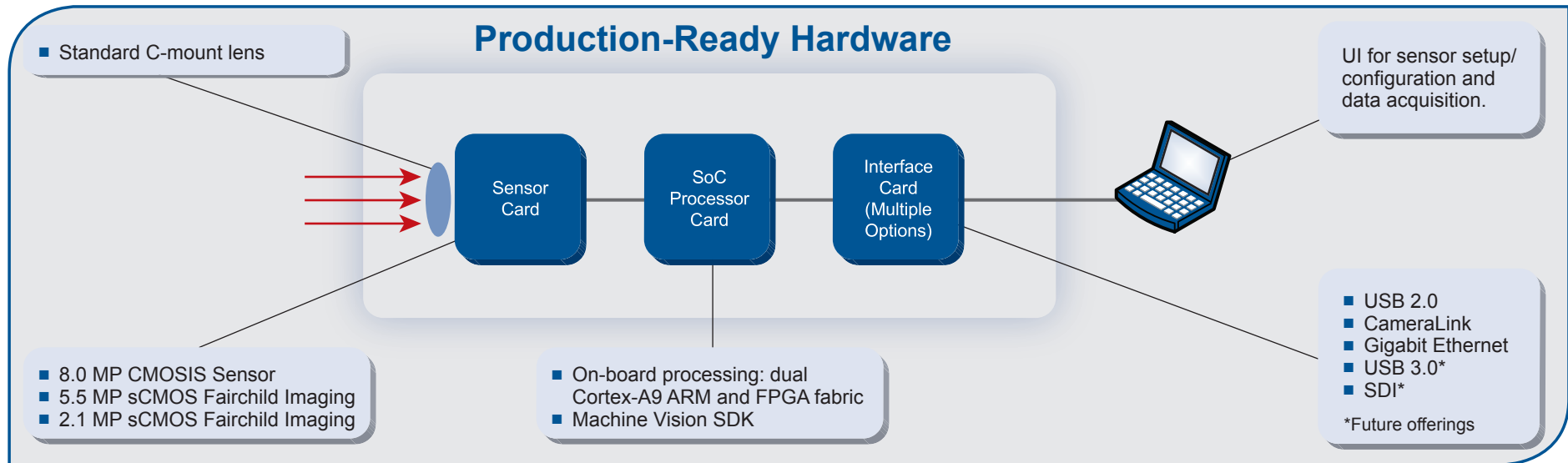
- 8MP High-Speed global shutter image sensor
- Tightly integrated FPGA and ARM for embedded vision applications
- Reduce project risk and cost, while accelerating development

Multiple Production Ready Configurations:

- Fully-enclosed compact camera
- Complete 3-board set solution
- Partial board set solution for customers electing to customize sensor or I/O boards

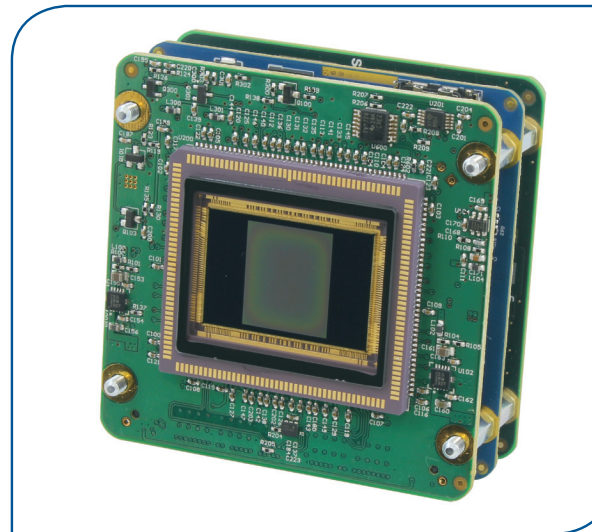
	CMV-8000
Active Pixels	3360(H) X 2496(V)
Pixel Size	5.5 um x 5.5 um
Frame Rate	95 fps
Noise (@104 fps)	8.6 e ⁻
Dark current e ⁻ /pixel/sec @ 25C	41.2 e ⁻ /S
Peak Quantum Efficiency	>58%
Dynamic Range	60 dB
Shutter Mode	Global Shutter
Chroma Options	Color or Mono

MityCAM Embedded Vision Platform



MityCAM is Critical Link's family of highly configurable imaging and vision solutions. The platform is designed to be customizable with a variety of high-performance sensors, user programmable SoC featuring tightly integrated ARM and FPGA fabric, and multiple I/O options. Customers benefit from the platform's flexibility, with each building block tailorable to suit the application.

MityCAM products deliver robust on-board processing making them ideal for scientific imaging and vision applications involving high-throughput and advanced image processing.



Applications:

- Machine Vision
- Scientific Imaging
- Surveillance Imaging
- Metrology Imaging
- Low-Light Imaging
- Embedded Instrumentation
- Motion Control

For complete product information, visit www.criticallink.com/imaging

