MityCAM-C50000 for Embedded Vision



The MityCAM-C50000 couples a 47.5MP CMV50000 CMOS imaging sensor from ams/CMOSIS with the processing technology in Critical Link's Intel/Altera Arria 10 SoC System on Module. The open architecture design allows you to load your algorithms directly into the hardware for advanced on-board processing.



MityCAM-C50000 System Features:

- 47.5MP High-Speed global shutter image sensor with true CDS
- O Tightly integrated FPGA and ARM for embedded vision applications
- O USB3 Vision, HDMI, CoXPress, and other interface options
- O Reduce project risk and cost, while accelerating development

Multiple Production Ready Configurations:

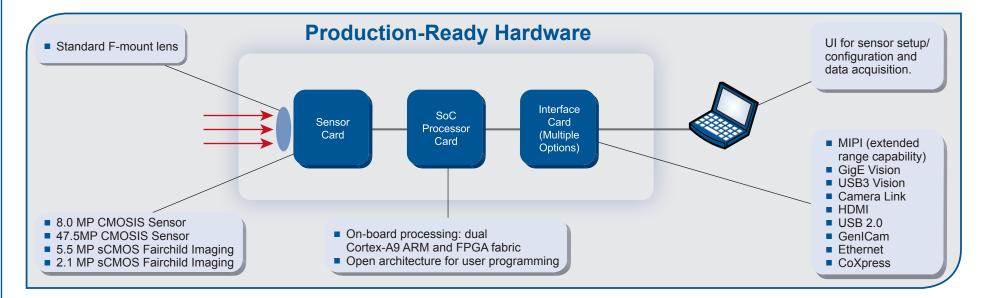
- Fully-enclosed compact camera
- Complete 3-board set solution
- Partial board set solution for customers electing to customize sensor or I/O boards

	CMV-50000
Active Pixels	7290(H) x 6004(V)
Pixel Size	4.6 um x 4.6 um
Frame Rate	30 fps
Noise (@104 fps)	8.8 e⁻
Dark current e ⁻ /pixel/sec @ 25C	66.2 e ⁻ /S
Peak Quantum Efficiency	>60%
Dynamic Range	64 dB
Shutter Mode	Global Shutter
Chroma Options	Color or Mono



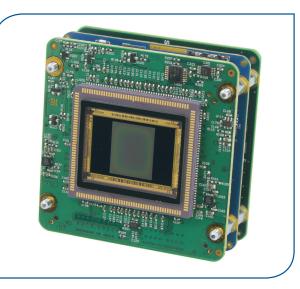
MityCAM Embedded Vision Platform





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:

- Test & Measurement
- Process Automation
- Robotics
- Smart Grid/Lighting
- Safety & Inspection
- Lab & Surgical Equipment Instrumentation
- Building Controls/Automation
- O Digital Displays
- Communication Systems

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



