

MityCAM-B1910F and MityCAM-B2521F



The MityCAM-B1910F/2521F couple high performance sCMOS imaging sensors from Fairchild Imaging (A Division of BAE Systems) with the processing technology in Critical Link's Altera SoC System on Module. The result is an embedded vision system that functions as a sensor evaluation kit and a smart camera platform.



MityCAM System Features:

- A production-ready board-set solution
- Tightly integrated FPGA and ARM for embedded vision applications
- Reduce project risk and cost, while accelerating development

sCMOS Sensor Features:

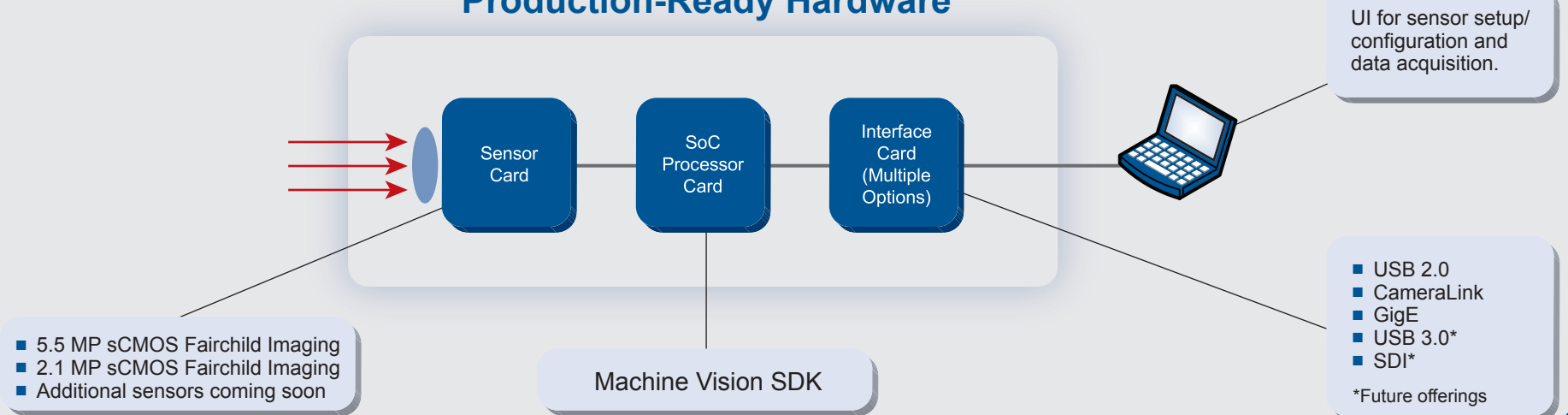
- Very low read noise
- Large dynamic range
- High speed readout
- Available in monochromatic and color

	CIS-1910F	CIS-2521F
Active Pixels	1920 (H) x 1080 (V)	2560 (H) x 2160 (V)
Pixel Size	6.5 μm x 6.5 μm	6.5 μm x 6.5 μm
Frame Rate		
Rolling Shutter	100 fps	100 fps
Global Shutter	50 fps	50 fps
Noise	<1.2 e-	<2 e-
Dark current e-/pixel/sec @ 20C	<35 e-	<35 e-
Peak Quantum efficiency	>55%	>55%
Dynamic Range	>88 dB	>83.5 dB
ADC – dual 11-bit ADC	Yes	Yes



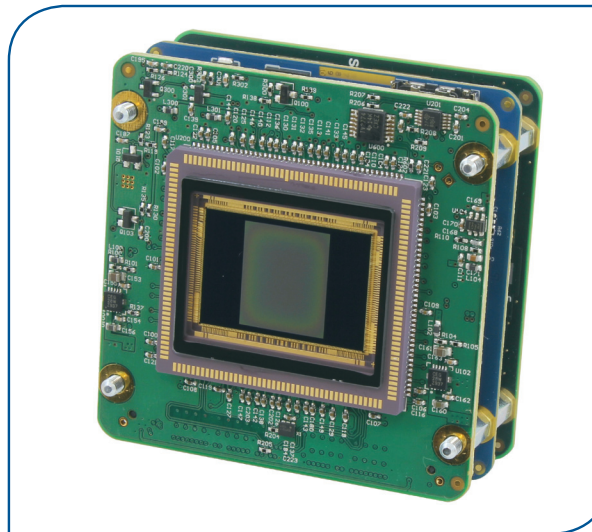
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Production-Ready Hardware



The MityCAM-B1910F/2521F include:

- Sensor Options: Fairchild Imaging high performance sCMOS image sensors at multiple resolutions
- Optics: Standard C-mount lens
- On-board Processing: FPGA and dual Cortex-A9
- Standard Interfaces: USB 2.0, CameraLink, GigE
- Software: for sensor setup and data acquisition
- Shutter Mode: rolling and global



Applications:

- Machine Vision
- Scientific Imaging
- Surveillance Imaging
- Metrology Imaging

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

