

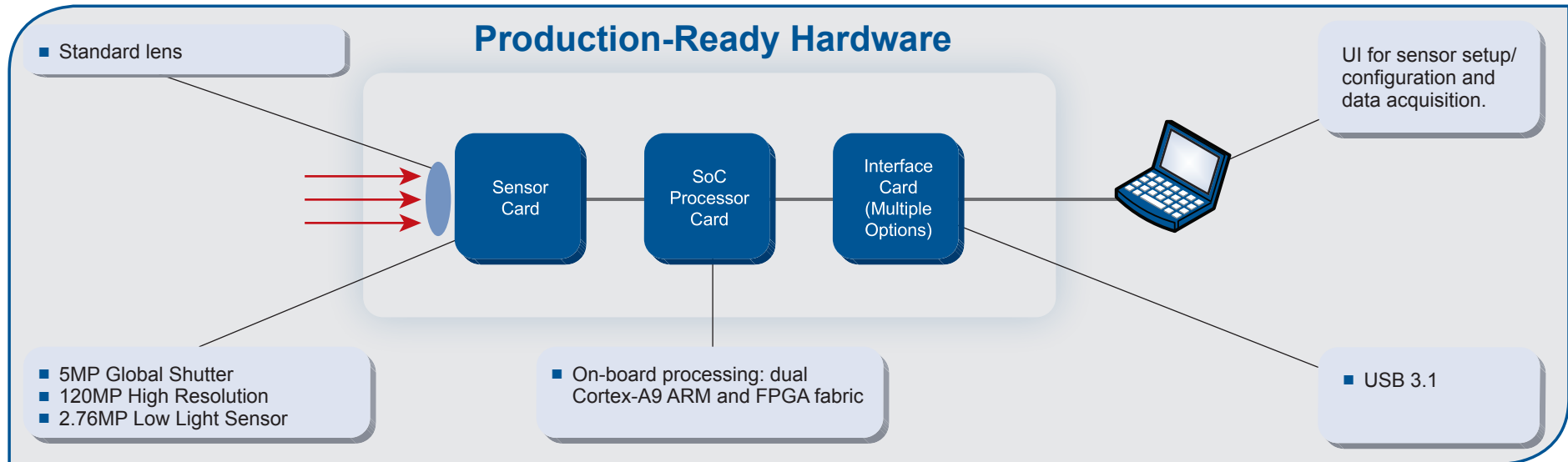
Canon CMOS Sensor Evaluation Kits, by Critical Link



	MityCAM-3U5MGXSBA	MityCAM-120MXS	MityCAM-35MMFHDXS_A
Sensor	Canon 3U5MGXSBA	Canon 120MXS	Canon 35MMFHDXS_A
Sensor Resolution	5MP	120MP	2.76MP
Active Pixels (H X V)	2592 x 2056	13272 x 9176	2160 x 1280
Pixel Size	3.4µm x 3.4µm	2.2µm x 2.2µm	19µm x 19µm
Image Area (W X H)	8.8mm x 7.0mm (2/3" equivalent)	29.2mm x 20.2mm	41.0mm x 24.3mm
Maximum Frame Rate	120fps	9.4fps	98fps
Maximum Bit Depth	12-bit	10-bit	16-bit
Dark Random Noise	2.6e- @ gain x1	2.3e- @ gain x8	2.2e- @ gain x16
Dark Current	1.3e-/s @ gain x1, room temperature	8.1e-/s @ gain x8, at 60° C	6.0e-/s, room temperature
Chroma Options	Mono, Color, or RGB-NIR	Mono, Color, or RGB-NIR	Mono or Color
Shutter Mode	Global Shutter	Rolling Shutter	Rolling Shutter
Lens Mounting Option	C Mount	F Mount	F Mount
Interface Options	USB 3.1 / AIA USB3 Vision + video output interface		
On-Board Processing Hardware	MitySOM-A10S: Dual core ARM and up to 480KLE FPGA fabric		
Availability	Currently Shipping	Currently Shipping	Q1 2020



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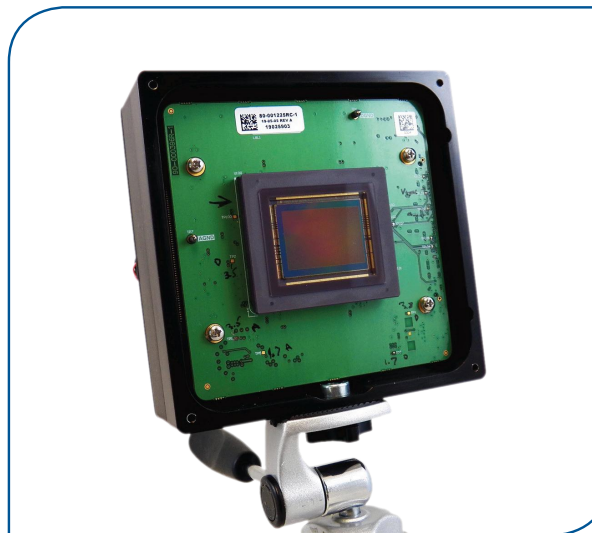


Evaluation kits allow developers to test sensor features and performance to ensure a fit with their application. They feature an open architecture design, with the option to embed processing and software with the on-board CPU and FPGA fabric.

Evaluation Kits consist of a camera with a pre-installed Canon CMOS sensor, and include:

- Accessory package for out-of-the-box operation (quick start guide, power supply, cables)
- Embedded software to setup the sensor, acquire image data and communicate over USB 3.1 interface with any USB 3 compliant UI
- PC-based UI application available for download to communicate with the camera
- Sensor board design files and source code*
- VHDL code for the FPGA*

* Available upon request.



Applications:

- Biomedical Imaging
- Scientific Imaging
- Industrial Imaging
- Surveillance
- Low-Light Imaging
- Embedded Instrumentation
- Night Vision
- Microscopy
- Machine Vision
- Inspection
- Biometrics
- Aerial Imaging

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

Rev 01/20

