

High-speed PCIe cameras

ximea

fastest image transfer • high resolution • minimal size



xiB

housed cameras with PCIe interface

xiB - series cameras specifications

xiB is a compact camera family using the most recent high resolution CMOS sensors with outstanding features:

- PCIe x4 Gen2 interface for a direct access to and from the computers memory with up to 20 GBit / sec
- Most recent high resolution CMOSIS sensors
- Robust PCIe and Power/GPIO connectors, slim design
- Temperature stabilization options available
- Integrated Canon EF-mount control with dynamic aperture and focus control
- Windows and Linux support with DMA image data transfer
- Compact housing: 60 x 60 x 38 mm

Sensors and models:

Model ¹⁾	Sensor	Resolution	Pixel size	ADC	DR	FWC	diagonal	Power	FPS ²⁾	available
CB120xy-CM	CMOSIS CMV12000	4096 x 3072, 12 MP	5.5 µm	8,10,12 bits	60 dB	13500 e-	28 mm	5 W	100	Q1 / 2014
CB200xy-CM	CMOSIS CMV20000	5120 x 3840, 20 MP	6.4 µm	12 bits	66 dB	15000 e-	41 mm	4,5 W	32	now

Note 1: various models available: x = C for color, M for monochrome, R for IR extended, y = U for uncooled, C for Peltier cooled

Note 2: RAW, 12 bit, full resolution

Compatibility:

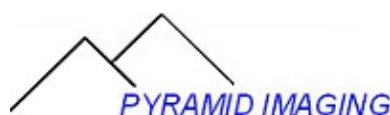
Standard **Windows & Linux** operation systems • GenICam / GenTL • Single SDK/API for all XIMEA camera models.

Compatible with the widest range of vision libraries. Please check website for up-to-date list!



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