

Thunderbolt™ camera series



10Gb/s and 20Gb/s via a single cable up to 60m • standard Mac and PC interface

enabled by



THUNDERBOLT™



xiT

Thunderbolt cameras

xiT - series camera specification

xiT is an Thunderbolt™ camera family using the most recent CMOS sensors for industrial and scientific applications.

- No framegrabber required
- DMA (direct memory access) image data transfer
- Global shutter sensors



[preliminary]

Sensors and models:

Model	Sensor	Resolution	Pixel size [µm]	ADC [bits]	DR [dB]	FWC [e-]	Diagonal [mm]	FPS	Size ¹⁾ [mm]
MT200MG-CM	CMOSIS CMV20000, mono	5120 x 3840, 20 MP	6.4	12	66	15000	41	32	60 x 60 x 44
MT200CG-CM	CMOSIS CMV20000, color	5120 x 3840, 20 MP	6.4	12	66	15000	41	32	60 x 60 x 44

Note 1: without lens adapter

- Thunderbolt interface for direct access to and from the computer memory with up to 20 Gbit / sec
- Daisy chain interconnection possible
- Integrated Canon EF lens interface for control of dynamic aperture and focus

Model	Sensor	Resolution	Pixel size [µm]	ADC [bits]	DR ¹⁾ [dB]	FWC ¹⁾ [e-]	Diagonal [mm]	FPS ²⁾	Size [mm]
MT023MG-SY	SONY IMX174, mono	1936 x 1216, 2.35 MP	5.7	10,12	73	32000	13,4	165	26.4 x 26.4 x 37.8
MT023CG-SY	SONY IMX174, color	1936 x 1216, 2.35 MP	5.7	10,12	73	32000	13,4	165	26.4 x 26.4 x 37.8

Note 1: TBD

Note 2: RAW 10 bit; 128 FPS in RAW 12 bit

- Thunderbolt interface for direct access to and from the computer memory with up to 10 Gbit / sec
- End device bus powered
- Standard C-mount, convertible to CS-mount

Compatibility:

Standard **Windows, MacOS & Linux** ^(TBD) 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!



What is xiLab?

Anything displayed with the reference „xiLab“ or in our xiLab space in our booth refers therefore to technologies and prototypes that are developed and functional, but where XIMEA does not commit on release, time lines or final appearance.

We are keen to learn the markets reaction to items displayed or exposed under this label.

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