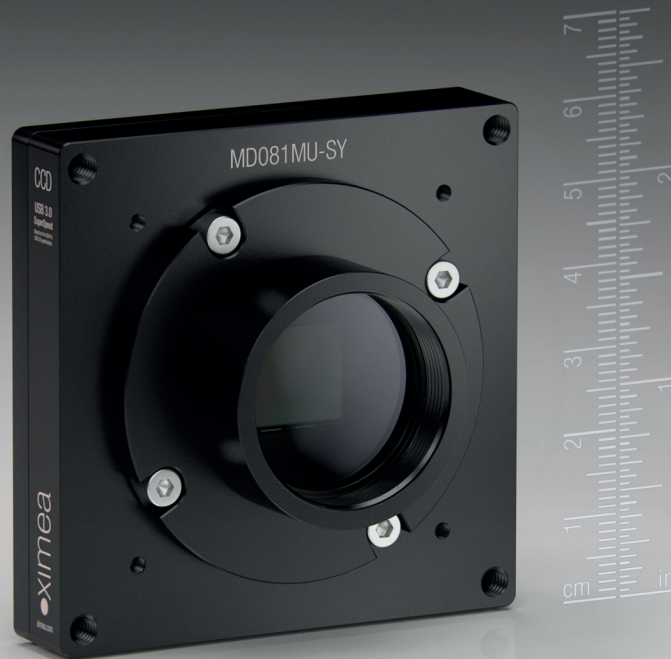


USB3 High-end CCD camera series

ximea

single board design • lowest power consumption • ultra-low noise



xiD

board level and housed cameras

xiD - series cameras specifications

xiD is an ultra-compact USB3.0 camera family using the most recent CCD sensors for industrial and scientific purposes with outstanding features:

- ultra-low read-out noise, clear 14 bits/pixel images in all modes
- partial readout and several binning modes with enhanced sensitivity and higher frame rates
- peltier cooled and board level cameras available

Sensors and models:

Model ¹⁾	Sensor	Resolution	Pixel size	ADC	DR	FWC	diagonal	Power	FPS ²⁾	available
MD028xy-SY	SONY ICX674	1940 x 1460, 2.8 MP	4.54 µm	8,10,12,14 bits	64 dB	15000 e-	11 mm	3.5 W	60	now
MD061xy-SY	SONY ICX694	2758 x 2208, 6.1 MP	4.54 µm	8,10,12,14 bits	64 dB	15000 e-	16 mm	3.8 W	30	now
MD091xy-SY	SONY ICX814	3380 x 2704, 9.1 MP	3.69 µm	8,10,12,14 bits	60 dB	10000 e-	16 mm	3.8 W	20	now
MD120xy-SY	SONY ICX834	4242 x 2830, 12.0 MP	3.1 µm	8,10,12,14 bits	58 dB	7000 e-	16 mm	TBD	15	Q1 / 2014

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, 8 bit, full resolution

SONY ICX based xiD cameras:

- Sony "EXview HAD CCD II" pixel technology with improved light efficiency by near infrared light region
- XIMEA proprietary "CLEANPATH" sensor driving technology
- Global shutter CCD with interline transfer - 1,2 or 4 tap readout with 14 bit ADC
- No selected grades - all cameras are scientific grade

Compatibility:

Standard **Windows, Linux & MacOS** operation systems • USB3 • 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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Contact:

Please visit ximea.com for complete product information. Email our sales team sales@ximea.com for your price and advanced information.

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