xiMU

- smallest industrial grade camera
- lowest power consumption
- 5 Mpix

Ximea

MU9PC
54301159

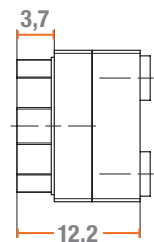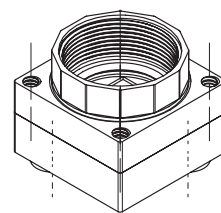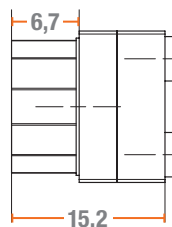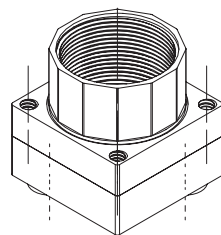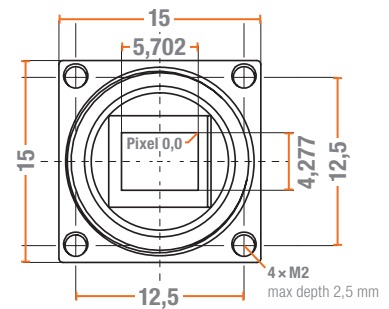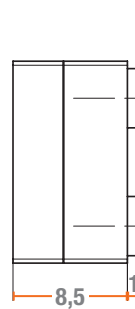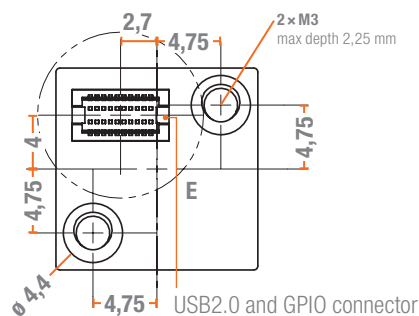subminature USB2.0 cameras

xiMU

[sci-mju:]
or [ksi-mju:]

xiMU is an exceptional USB2.0 device. It's a complete, industrial grade 5 Mpix camera weighing just 3.4 g including a full metal housing and as such it is the smallest available. It comes with highly useful features for medical and industrial environments like GPIO and GenICam support. This camera always comes into play when size and mass are deciding factors.

Quick facts

- World's smallest industrial grade USB camera: 3.4 g at 15×15 mm^2 size
- Lowest heat generation
- Single PCB, board-level versions available
- S-mount (M12) lens adapters
- USB bus powered, only 0.75 W power consumption
- 4 bidirectional I/O lines

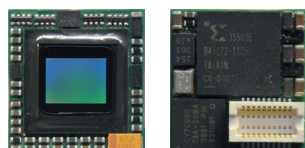## Subminiature cameras

MU9Px-MH with long S-mount adapter

MU9Px-MH with short S-mount adapter

Board-level cameras

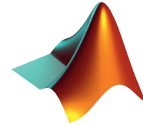Option for optimal system integration available

xiMU Board-level (-MBRD)

- Board-level version of standard housed camera

Supported vision libraries

Compatible with more than 30 popular machine vision libraries

HALCON
a product of MVTec

OpenCV

POWERED BY
NATIONAL INSTRUMENTS
LabVIEW

XIMEA strives to create and maintain compatibility and interfaces for the most common and advanced vision image-processing libraries and applications. Major support is available for **MVTec Halcon, National Instruments LabVIEW, MathWorks MATLAB** and **OpenCV.** Please check our XIMEA website for an up-to-date list of other supported libraries and software packages.

Compatibility

Supported operating systems

Windows   **Linux**   **OS X**

Standards

GEN<i>CAM
TRANSPORT LAYER

About us

Big
about
small

Why would we make that claim?

We say that because we just love to make cameras small, and excel at this task. Nobody makes the same thing any smaller. Is that a good thing? We certainly think so, especially when our products exceed customer satisfaction and specification. With small, comes low mass, another massive advantage for all our customers. High density means we have to take extraordinary care regarding power consumption and heat dissipation. But… that does not mean we allow any compromises. Everything we include in our products is of industry standard or better. Thanks to the full metal body, our cameras – literally and figuratively – are extremely cool, and because of our love for speed they are also fast. This design paradigm optimizes for the most ideal specifications for the broadest set of customers.

Our passion about small things also extends to the company itself.
We take conscious action to stay small and agile as a company. Consequentially our people must be extraordinarily talented to ensure efficient processes and cover all bases. We have well defined outsourcing interfaces with close interactions internally and externally with management as a part of the team. Being small keeps everyone focused and aware of what is going on, which quickly translates into customer satisfaction.

Thanks for your time.

xiMU *small, smaller, xiMU*

Sensors and models

Model [1]		Sensor	Resolution	Pixel size [µm]	ADC [bits]	DR [dB]	Optical size	Sensor size/ diagonal [mm]	Max. power consumption
MU9PM-MH	b/w	Aptina MT9P031	2592 × 1944 5 Mpix	2.2	8, 10, 12	70	1/2.5"	5.7 × 4.3 7.1	0.75 W
MU9PC-MH	color								

Note 1: Please replace "-MH" with "-MBRD" in the model name to address the board-level camera

Readout modes

Standard mode	Binning/skipping	Pixels	FPS
0	1 × 1	2592 × 1944	5.8
1	2 × 2 bin	1296 × 972	17
2	4 × 4 bin	648 × 486	36
3	2 × 2 skip	1296 × 972	22
4	4 × 4 skip	648 × 486	83
5	6 × 6 skip	430 × 324	163
6	7 × 7 skip	368 × 376	200
7	7 × 7 skip/clip	320 × 240	232

Contact

Please visit **www.ximea.com** for complete product information.
Get in touch with our teams at **sales@ximea.com**.
We will be glad to assist and consult you regarding our products.

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