

Imager **MX** **50M**

Small, light weight CMOS camera
with CoaxPress interface

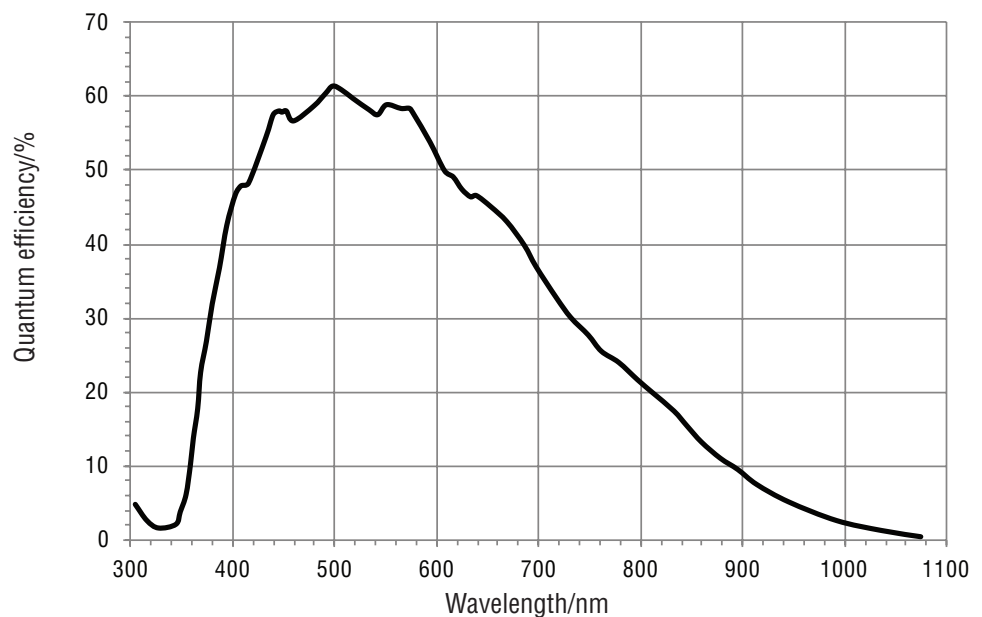


Quantum efficiency

The **Imager MX 50M** is our unsurpassed high-resolution digital camera, equipped with the new generation 8T global shutter CMOS sensor and a CoaxPress CXP6 4-lane interface for unbeaten transfer speed. The resolution of 48 Megapixel at 30 Hz frame rate in combination with its outstanding image quality makes this camera ideal for a wide range of applications where extraordinary spatial precision is required.

General System Specifications

Double shutter	two images with 180 μ s min. interframing time
Exposure time	100 μ s to 1 second (in steps of 1 μ s)
Digital output	8/10/12 bit
Interface	Frame grabber CoaxPress for PCIe 8x slot, including a trigger connector (additional slot aperture), to be ordered separately
Lens mount	M48x1, adapter to F-mount and Scheimpflug mount <i>version3</i> included
Number of pixels	7920 x 6004 pixels
Pixel size	4.6 x 4.6 μ m ²
Full well capacity	14,500 e ⁻
Max. QE	62% @ 500 nm
Frame rate	30 frames/s @ full resolution
Noise	9 e ⁻
Operating temperature	-10° C to +30° C and a max. housing temp. of +50° C
Size of camera head (L x W x H)	41.9 mm x 95 mm x 95 mm
Power requirements	< 11 W, powered via CoaxPress interface
Requirements	DaVis Software / PC / timing unit / Windows 10 (64 bit)



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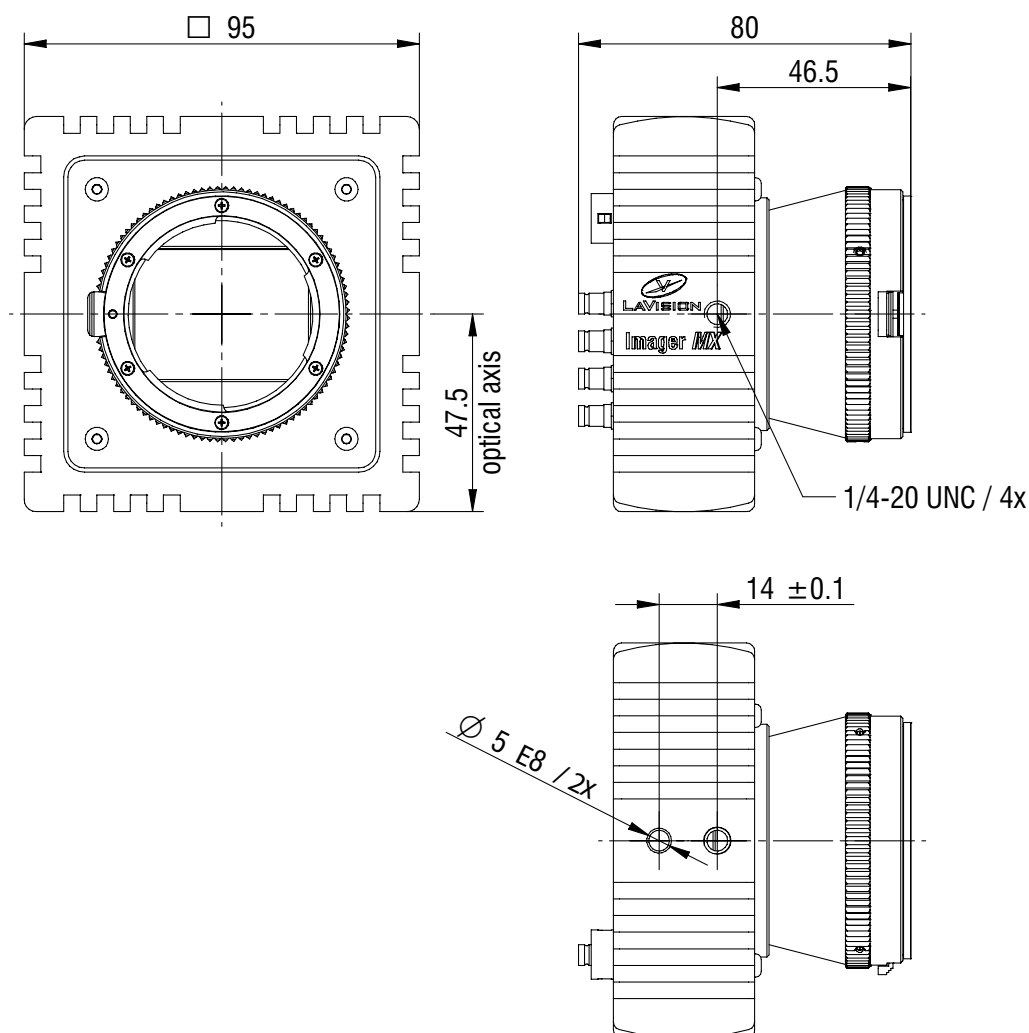
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Dimensions



Ordering information

Part number	Description
1101448	Imager MX 50M camera (10 m cable included)
1101449	Frame grabber CoaxPress, for up to 2 cameras

Data provided by LaVision are believed to be true. However, no responsibility is assumed for possible inaccuracies or omissions. All data are subject to change without notice.

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