ximea



ME-LA-80MM-M72-L-KIT

Lens adapter kit

XIMEA Accessories

Technical Manual

Version v260903

Introductions

About this manual

Dear customer,

Thank you for purchasing a product from XIMEA.

We hope that this manual can answer your questions, but should you have any further queries or if you wish to claim a service or warranty case, please contact your local dealer or refer to XIMEA Support on our website: www.ximea.com/support

The purpose of this document is to provide a description of XIMEA Accessories and to describe the correct way to install related software, drivers and run it successfully. Please read this manual thoroughly before operating your new XIMEA Accessories for the first time. Please follow all instructions and observe the warnings.

This document is subject to change without notice.

About XIMEA

XIMEA is one of the worldwide leaders for innovative camera solutions with a 30-year history of research, development and production of digital image acquisition systems. Based in Slovakia, Germany and the US, with a global distributor network, XIMEA offers their cameras worldwide. In close collaboration with customers XIMEA has developed a broad spectrum of technologies and cutting-edge, highly competitive products.

XIMEA's camera centric technology portfolio comprises a broad spectrum of digital technologies, from data interfaces such as USB 2.0, USB 3.1 and PCIe to cooled digital cameras with CCD, CMOS and sCMOS sensors, as well as X-ray cameras.

XIMEA has three divisions – generic machine vision and integrated vision systems, scientific imaging and OEM/custom.

Our broad portfolio of cameras includes thermally stabilized astronomy and x-ray cameras, as well as specialty cameras for medical applications, research, surveillance and defense.

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1 General description

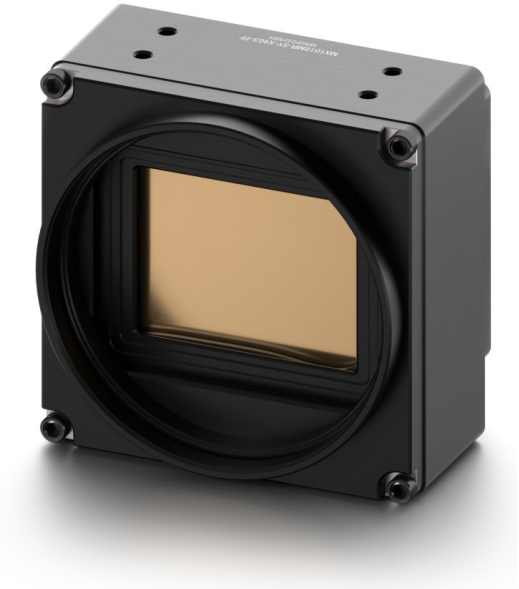


Figure 1: Camera with ME-LA-80MM-M72-L

The ME-LA-80MM-M72-L is a precision-machined M72 lens adapter designed for 80 x 80 mm cameras. The adapter is manufactured from aluminum alloy and finished with black anodization. It is mounted to the camera housing using four M4 x 10 mm screws, providing secure and stable attachment.

Suitable for xiX-XL camera series.

Note: ME-LA-80MM-M72-L-KIT includes MECH-MX-M72-ADPT-L adapter and 4x SROB-M4x10-SLH-SD mounting screws.

2 Dimensional drawings

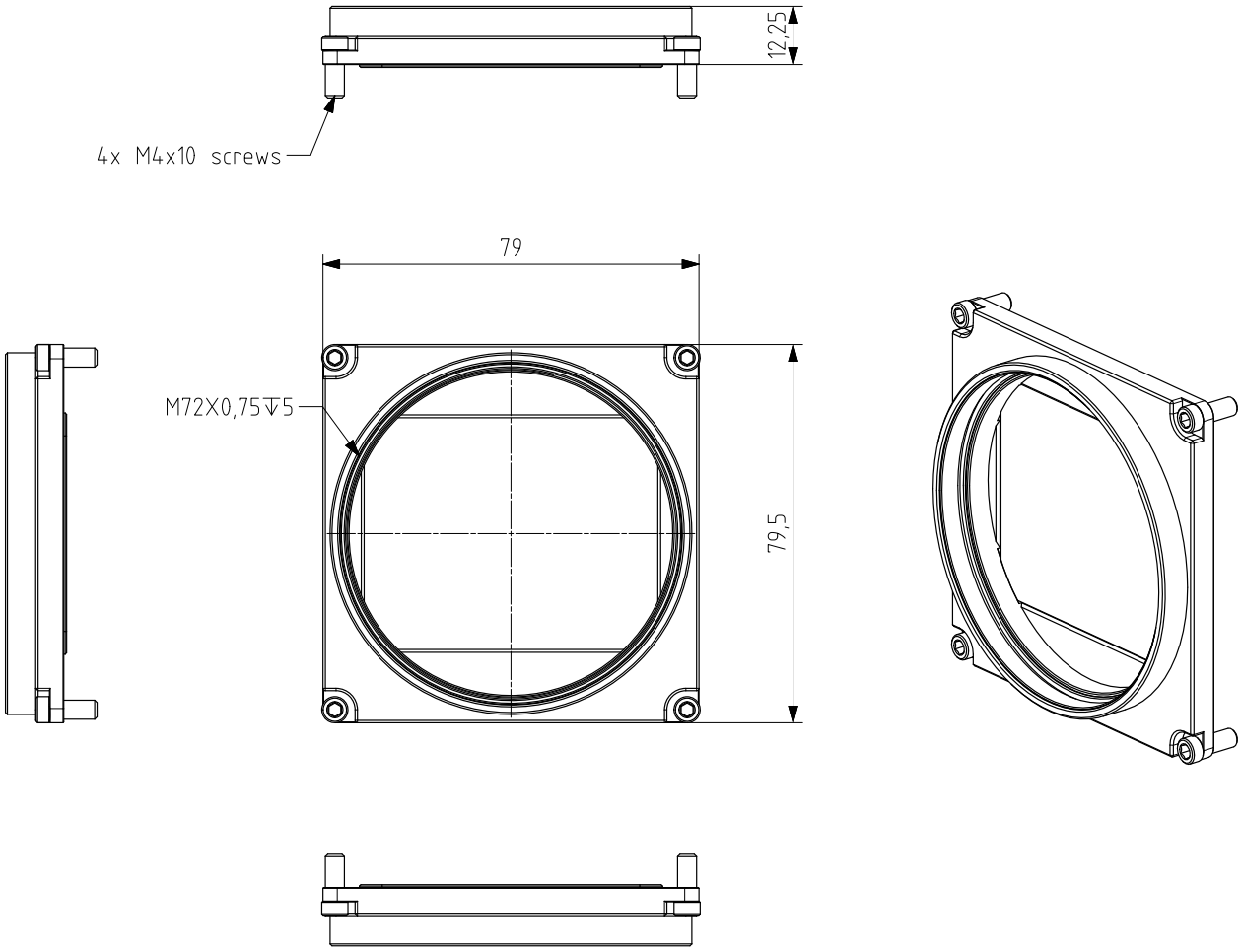


Figure 2: Dimensional drawing of ME-LA-80MM-M72–KIT

Width [W]	Height [H]	Depth [D]	Mass [M]	Material
80.0 mm	80.0 mm	12.25 mm	50 g[1]	Machined aluminum alloy[2]

[1] with screws together 54 g ± 0.3 g
[2] anodized to black color

Table 1: Mechanical parameters of ME-LA-80MM-M72-L-KIT

3 Usages

3.1 Mounting points

The adapter is mounted to the camera using 4 M4x10 screws.

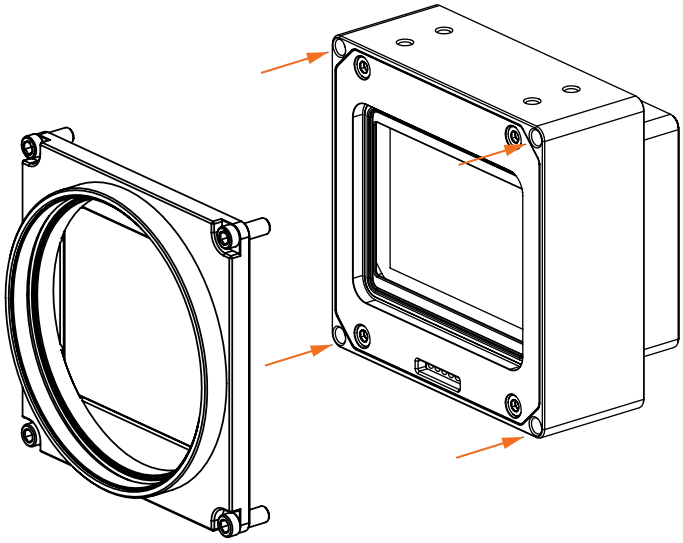


Figure 3: Mounting points

4 Additional information

4.1 Optical path

Mechanical distance from sensor is 20.25 mm, (19.83 mm optical distance).

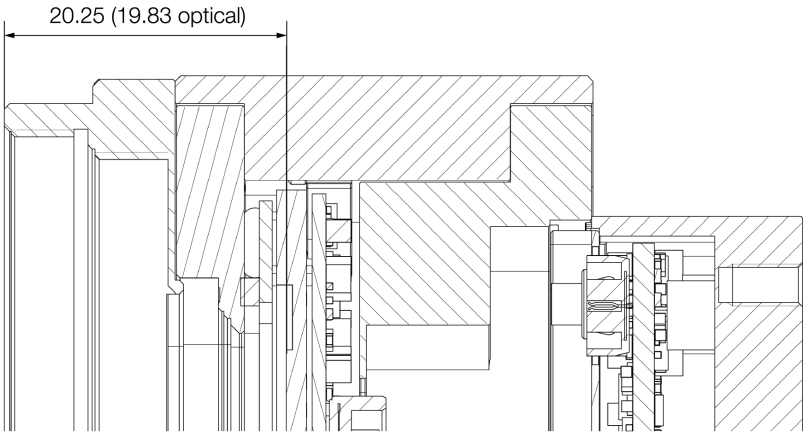


Figure 4: ME-LA-80MM-M72-L-KIT optical path

4.2 Screws

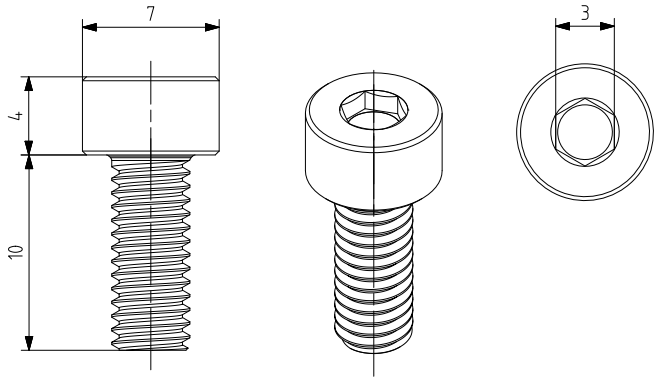


Figure 5: Mounting screws

Material	Stainless steel
Surface	Polished
Thread	M4 Full thread
Driver	INBUS 3.0
Avail. Lengths	6 – 40 mm

Table 2: Technical details of M4 screw

For more information about ME-LA-80MM-M72-L-KIT please contact: sales@ximea.com.

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