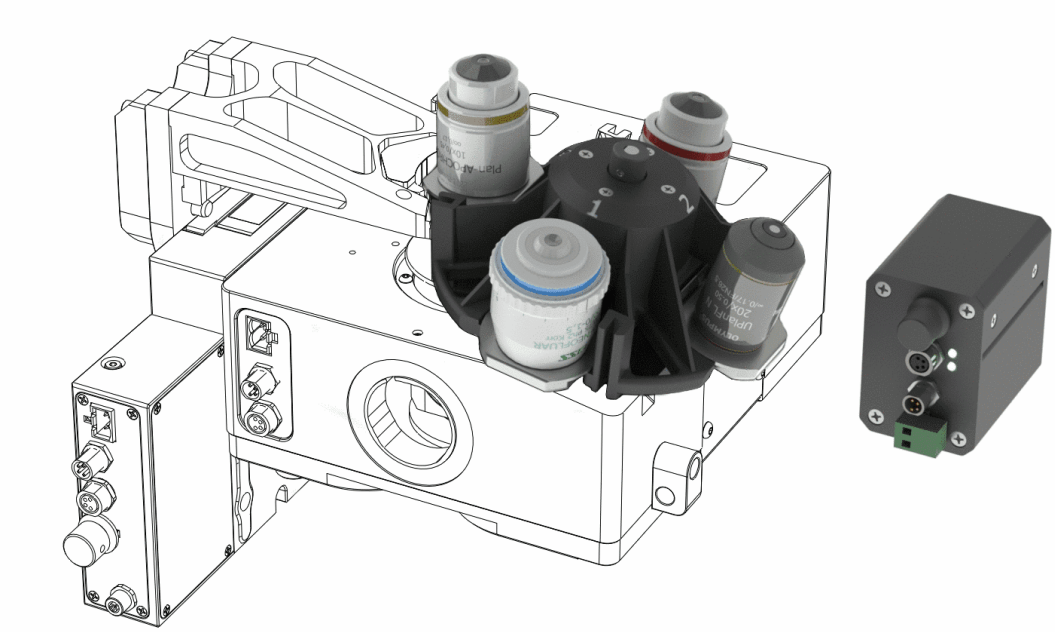
Zaber Technologies Inc.
#2 - 605 West Kent Ave.
Vancouver, BC

1-604-569-3780 *Direct*
1-888-276-8033 *Toll Free*
1-604-648-8033 *Fax*

X-MOR4-E03 Datasheet



• High-speed focus achieved by moving a single objective rather than the whole turret
• Highly repeatable and secure magnetic alignment delivers consistent results in demanding high-content screening applications
• Holds 4 objectives (Zeiss ICS, Nikon CFI60, Olympus)
• Select the X-MOR-E in our Microscope Configurator to price and order a complete microscope

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X-MOR4-E03 Overview

The X-MOR-E is a motorized objective turret which extends the high-precision focus capability of the X-LDA-AE to up to 4 objectives.

Unlike a conventional nosepiece, the system moves only one objective at a time which allows rapid focus moves under 30 ms and objective scanning at up to 40 Hz.

Compatible with a wide variety of objectives up to 250 g and 35 mm barrel diameter.

The objective turret is a modular add-on for the MVR and MSR series of automated microscopes. Use our Microscope Configurator to select the modules you need for your application.

For more information visit: https://www.zaber.com/products/microscopes/X-MOR-E?part=X-MOR4-E03

X-MOR4-E03 Drawings

• View all drawings and documents at zaber.com

X-MOR4-E03 Specifications

Overview

Specification	Value
Weight	0.45 kg (0.992 lb)

Positioning Performance

Specification	Value
Repeatability	<1.5 µm (<0.000059 ")

Encoder & Sensing

Specification	Value
Limit or Home Sensing	Optical index mark

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Optics & Illumination

Specification	Value
Optical System	Zeiss ICS, Nikon CFI60, Olympus
Maximum Optic Weight	0.350 kg (0.772 lb)
Compatible Optic Diameter	Max. 35 mm barrel. Correction rings up to 39 mm
Number of Optics	4
Adjacent Optic Change Time	3000 ms
Optic Mounting Interface	Configurable: M27 x 0.75, M25 x 0.75, RMS

Power and Communication

Specification	Value
Communication Interface	RS-232
Power Supply	24-48 VDC
Maximum Current Draw	400 mA

Mechanical

Specification	Value
Moving Mass	0.73 kg (1.606 lbs)

Environmental & Compliance

Specification	Value
Operating Temperature Range	0 to 40 °C
CE Compliant	Yes

Contact

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