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# Automated Upright Microscope Olympus

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Automated Upright Microscope



Stock #29-350 **1 In Stock**

⊖ 1 ⊕ **\$46,102<sup>00</sup>**

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### General

**Compatible Tube Lens Focal Length (mm):**  
200 mm

**Compatible Objectives:**  
UPLXAPO, UPLFLN, PLN, MPLFLN, MPLAPON

**Filter Cube Turret:**  
Holds up to 6 "Push & Click" Filter Cubes

**Note:**

See Accessories for Compatible Illuminators and Stage Inserts

Final magnification of Olympus objectives is reduced by 10%. There is no other impact on their optical performance

**Physical & Mechanical Properties**

440 x 360	<b>Dimensions (mm):</b>
100 x 120	<b>Travel (mm):</b>
25	<b>Focus Travel (mm):</b>

**Optical Properties**

45.0	<b>Parfocal Length (mm):</b>
0.15625	<b>Resolution (µm):</b>

**Sensor**

2/3"	<b>Maximum Sensor Format:</b>
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**Hardware & Interface Connectivity**

Locking 4-pin M8 (cables included)	<b>Connector:</b>
Power Supply Required and Sold Separately. USA:#70-962	<b>Power Supply:</b>

**Threading & Mounting**

C-Mount	<b>Mounting Threads:</b>
RMS	<b>Objective Thread:</b>

**Regulatory Compliance**

<a href="#">View</a>	<b>Certificate of Conformance:</b>
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**Product Details**

- Compatible with the [Zaber™ Motion Library](#) and [µManager](#) Open-Source Microscopy Software
- Supports [Olympus](#), [Nikon](#), [Zeiss](#) or Edmund Optics [TECHSPEC® 120i Objectives](#)
- Motorized XY Travel and Z-focus Movement
- Ideal for Epifluorescence and Brightfield Microscopy Applications

Automated Upright Microscopes are fully compatible with the [Zaber™ Motion Library](#) and [µManager](#) Open-Source Microscopy Software to completely automate the imaging experience. These microscopes combine Zaber's motorized XY travel and Z-focus movement control with industry leading [Olympus](#), [Nikon CF60](#), [Zeiss](#), or Edmund Optics [TECHSPEC® 120i Objectives](#). A 100 x 120mm travel XY stage, motorized objective and filter cube turrets, and a programmable 3-axis joystick are included with the microscope body to assemble a complete microscope system. Automated Upright Microscopes require stage inserts, sold separately, ([Well Plate](#), [Breadboard](#), or [Slide Holder](#)) for precise and secure mounting of samples. Epi-illuminators are available, sold separately, to provide high intensity light with 3 LED lamp channels: [385, 473, and 568nm](#), or [385, 625nm, and White](#).

**Note:** All necessary mounting hardware and cabling are included with each microscope configuration. Stage inserts and illumination accessories are sold separately and required for operation. Power supply required and sold separately.

**Technical Information**

Stock Number	Description	Zaber™ Part Number	Zaber™ Description	Qty. Included
<a href="#">29355</a>	385, 473, and 568nm Microscope Illuminator			
		MLR3A-T13A	Nucleus® microscope reflected light illuminator, 3-channel (385, 473, 568 nm)	1
		X-LCA4	Nucleus® X-LCA4 4-channel LED controllers	1
		SC05	LED extension cable, 5 ft (1.5 m)	3
<a href="#">29356</a>	385, 625nm, and White Microscope Illuminator			
		MLR3B-T13A	Nucleus® microscope reflected light illuminator, 3-channel (385, white, 625 nm)	1
		X-LCA4	Nucleus® X-LCA4 4-channel LED controllers	1
		SC05	LED extension cable, 5 ft (1.5 m)	3
<a href="#">29348</a> , <a href="#">29349</a> , <a href="#">29350</a> , <a href="#">29351</a>	Motorized Upright Microscope EO, Nikon, Olympus, or Zeiss			
		X-ASR100B120B-SE03D12	Motorized XY microscope stages with built-in controllers and motor encoders	1
		X-MOR4-EO3	Nucleus® X-MOR-E objective turrets	1
		X-JOY3	Programmable Joysticks, 3-axis	1
		AP260	Microscope Baseplate, for MSR	1
		MKR025C	Nucleus® upright microscope core (holds 6 filter cube sets)	1
		KX15C	Kit for cables (includes X-DC06, X-USBDC)	1
		AP110	ASR100 Adaptor Plates, Breadboard (Sold in Pairs)	1

		MTR300A	Upright microscope tower, 300 mm, for XY stages with 100 mm y-travel	1
		X-DC06	Data Cable, 6 ft (2 m)	1
		MTC00*	Microscope camera tube, *brand specific	1
		AM*	Magnetic objective adapter, *brand specific	5

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