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Automated Upright Microscope Zeiss

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Automated Upright Microscope



Stock **#29-351** [CONTACT US](#)

⊖ 1 ⊕ £26,120⁰⁰

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1+ | £26,120.00 each |
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Product Downloads

General

Compatible Tube Lens Focal Length (mm):
165

Compatible Objectives:
ICS

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

Note:
See Accessories for Compatible Illuminators and Stage Inserts

Physical & Mechanical Properties

440 x 360 **Dimensions (mm):**

100 x 120 **Travel (mm):**

25 **Focus Travel (mm):**

Optical Properties

45.0 **Parfocal Length (mm):**

0.15625 **Resolution (µm):**

Sensor

2/3" **Maximum Sensor Format:**

Hardware & Interface Connectivity

Locking 4-pin M8 (cables included) (cables included) **Connector:**

Power Supply Required and Sold Separately.
USA: #29-172
Europe: #29-172
Japan: #29-172 2
Korea: Not Available
China: Not Available **Power Supply:**

Threading & Mounting

C-Mount **Mounting Threads:**

M27 **Objective Thread:**

Regulatory Compliance

[View](#) **Certificate of Conformance:**

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 |
|---|---|-----------------------|---|---------------|
| 29355 | 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 |
| 29356 | 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 |
| 29348 , 29349 , 29350 , 29351 | 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 |

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|--|--|---------|--|---|
| | | 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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