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# Automated Upright Microscope Nikon

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Automated Upright Microscope



Stock **#29-349** [CONTACT US](#)

⊖ 1 ⊕ €32.830<sup>00</sup>

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## Product Downloads

### General

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

**Compatible Objectives:**  
CFI

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

**Note:**  
See Accessories for Compatible Illuminators and Stage Inserts

## Physical & Mechanical Properties

Dimensions (mm):

440 x 360

Travel (mm):

100 x 120

Focus Travel (mm):

25

## Optical Properties

Parfocal Length (mm):

60.0

Resolution (µm):

0.15625

## Sensor

Maximum Sensor Format:

2/3"

## Hardware & Interface Connectivity

Connector:

Locking 4-pin M8 (cables included)

Power Supply:

Power Supply Required and Sold Separately.  
USA:#70-962

## Threading & Mounting

Mounting Threads:

C-Mount

Objective Thread:

M25

## Regulatory Compliance

Certificate of Conformance:

[View](#)

## 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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