



Motorized Advanced Research Microscope

ECLIPSE 90i

Sublime digital images, interactive simplicity



- Efficient automation in observation and imaging
- Integrated control of 90i and Digital Sight-series DSC
- One-click switching between observation methods
- Optics optimized for digital imaging
- High-precision motorized focus



90i with D-DH-E Motorized Digital Imaging Head

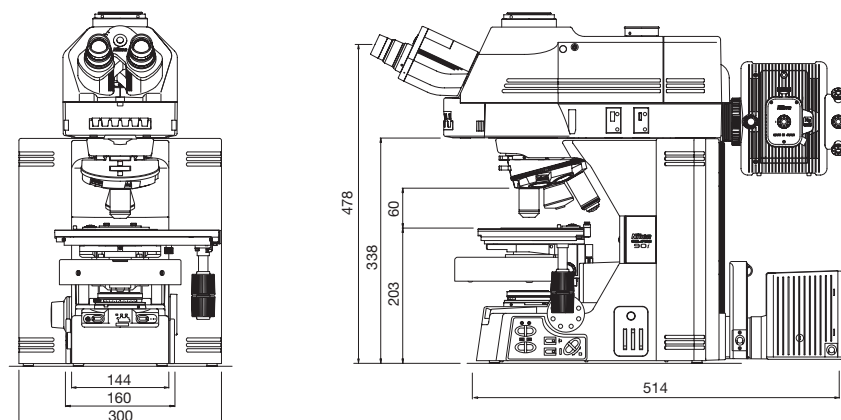
Specifications

Main Body	Optical system	CFI60 infinity optical system
	Illumination	Precentered 12V100W halogen transmitted illumination Built-in fly-eye lens Built-in NCB11/ ND8/ ND32 filters (detachable) & diffuser (not detachable) Preset switch Motorized field diaphragm External power supply Motorized ND filter unit for light intensity control available as option
	Focusing	Motorized coaxial coarse/fine/super-fine focusing Built-in linear encoder, resolution : 0.05um Focusing stroke : 27mm Escape function as refocusing mechanism Auto Link Focus
Eyepiece Tube (Light distribution)		Y-TB Binocular Tube F.O.V. 22 Y-TF Trinocular Tube F UW F.O.V. 22/25mm (Eyepiece/Port : 100/0, 0/100) Y-TT Trinocular Tube T UW F.O.V. 22/25mm (Eyepiece/Port : 100/0, 20/80, 0/100) C-TE Ergonomic Binocular Tube F.O.V. 22mm inclination angle : 10-30 tube extension up to 40mm (*when C-TEP DSC port is attached: Eyepiece/Port 100/0, 50/50) D-DH Digital Imaging Head / D-DH-E Motorized Digital Imaging Head F.O.V. 22/25mm (Eyepiece/Front Port/Rear Port : 100/0/0, 0/100/0, 0/0/100)
Eyepiece Lens (F.O.V.)		10X (22mm), 10X M photomask (25mm), 12.5X (16mm), 15X (14.5), UW10X (25mm), UW 10X M photomask (25mm)
Nosepiece		D-N7-E Motorized Sextuple Nosepiece, D-ND6-E Motorized Sextuple DIC Nosepiece D-NI7 Intelligent Sextuple Nosepiece, D-NID6 Intelligent Sextuple DIC Nosepiece C-N Sextuple Nosepiece, D-ND6 Sextuple DIC Nosepiece
Stage		C-SRR Rotatable Rectangular Mechanical Stage Cross travel 78(X) x 54(Y) mm, with calibrations, stage handle height and torque adjustable, rackless D-S-E Motorized XY Stage Cross travel 78(X) x 54(Y) mm, Repeatability : $\pm 10\mu\text{m}$ C-HC1/HL2 Specimen Holders for 1 slide/2 slides
Condenser		D-CUD-E Motorized Universal Condenser Dry (Motorized 7-position turret and aperture diaphragm) D-CUD Universal Dry, D-CUO DIC Oil, C-C Abbe, C-C Achromat, C-C Achromat Swing-out 1-100X, C-C Low Power, C-C Achromat/Aplanat, Darkfield (Dry/Oil), LWD Achromat
Power Consumption (max.)		100-230V, 2.8A/210W
Weight (approx.)		18.2 kg (standard trinocular set)

MAIN ACCESSORIES

D-DH-E Motorized Digital Imaging Head	Eyepiece tube / 0.8-2.0X Zooming optics / 2 ports / Epi-Fluorescence illuminator (6-position Filter Turret, Noise Terminator) are included. Built-in motorized Analyzer/Epi-Shutter
D-DH Digital Imaging Head	Manual version of D-DH-E. Built-in Motorized Epi-shutter. (*Analyzer is optional)
D-FL Universal Epi-Fluorescence Attachment	6-position Filter Turret, Noise terminator, Manual Epi-shutter
D-FB Excitation Balancer	Slider to continuously adjust the excitation wavelength
D-ERG Ergo Controller	Remote Controller of 90i, D-S-E Motorized XY stage and other motorized parts
Digital Sight series Digital Camera	Various combination selectable from camera head DS-5M (standard) /5Mc(cooled) and Control Unit L1(stand-alone)/U1(PC-use) AF in Brightfield observation is possible when used with 90i.

Dimensional diagram



Unit: mm

Configured with D-DH-E Motorized Digital Imaging Head



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