

# Specifications

Model name	Main body: ECLIPSE Si
Optical system	CFI60 infinity optical system
Illumination	High luminescent white LED illuminator (Eco-illumination) <ul style="list-style-type: none"> <li>• Built-in fly-eye lens</li> <li>• Up to two 45 mm diameter filters can be installed*1</li> <li>• Light Intensity Management (LIM) feature included</li> </ul>
Focusing	Coaxial coarse/fine focusing (located on both sides), cross roller guide, Focusing stroke: Up 2 mm/Down 13 mm, coarse: 37.7 mm per rotation, fine: 0.2 mm per rotation, minimum reading: 2 μm With coarse focus knob torque adjustment ring and stage vertical movement stopper
Eyepieces (F.O.V., mm)	With diopter adjustment <ul style="list-style-type: none"> <li>• E2-CFI 10X (20)*2, E2-CFI 15X (12)*2</li> <li>• CFI 10X (22)*3</li> </ul>
Tubes	Inclination angle 45°, pupillary distance: 50-75 mm, eyepoint height: adjustable to 2 positions <ul style="list-style-type: none"> <li>• EC-T-TB2 Binocular Tube 2</li> <li>• EC-T-TF2 Trinocular Tube F2</li> </ul> (Eyepiece: Port: 50:50, built-in 0.55X relay lens in camera port, with C-mount) Inclination angle 25°, pupillary distance: 50-75 mm <ul style="list-style-type: none"> <li>• C-TB Binocular Tube</li> <li>• C-TF Trinocular Tube F (Eyepiece: Port = 100:0, 0:100)</li> <li>• C-TT Trinocular Tube T (Eyepiece: Port = 100:0, 20:80, 0:100)</li> </ul> Inclination angle 10°-30°, extension: up to 40 mm <ul style="list-style-type: none"> <li>• C-TE2 Ergonomic Binocular Tube (Eyepiece: Port = 100:0, 50:50 via optional C-TEP3 DSC Port C-0.55X)</li> </ul>
Nosepiece	Reversed-type quintuple nosepiece (within main body)
Stage	Rectangular mechanical stage (within main body), with specimen holder 2L and vernier calibrations, cross travel: 76 (X) x 52 (Y) mm
Objectives (NA/W.D.)	<ul style="list-style-type: none"> <li>• CFI E Plan Achromat 4X (0.1/30mm)*4</li> <li>• CFI E Plan Achromat 10X (0.25/7mm)</li> <li>• CFI E Plan Achromat 40X (0.65/0.65mm)</li> <li>• CFI E Plan Achromat 60X (0.8/0.3mm)*4</li> <li>• CFI E Plan Achromat 100X Oil (1.25/0.23mm)*4</li> </ul> Other CFI60 objectives can also be used. Objectives for phase contrast observation: <ul style="list-style-type: none"> <li>• CFI Achromat DL 10X (0.25/7.0mm)</li> <li>• CFI Achromat LWD DL 20X (0.40/3.90mm)</li> <li>• CFI Achromat DL 40X (0.65/0.65mm)</li> <li>• CFI Achromat DL 100X Oil (1.25/0.23mm)</li> </ul>
Condenser	Abbe Condenser, NA 1.25, vertically movable and centerable
Observation methods*5	Brightfield, phase contrast, diascope fluorescence, dark-field, simple polarizing
Fungus-proof treatment	Antifungal paint is applied around optical system
Optional accessories	<ul style="list-style-type: none"> <li>• E2-SPH1 10X-40X PH slider/E2-SPH2 100X PH slider (used with an Abbe condenser and phase contrast objectives)</li> <li>• SI-PH phase condenser (used with phase contrast objectives)*6</li> <li>• E2-F-FL Dia-FL set GFP-B</li> <li>• E2-SDF dark-field slider</li> <li>• E2-DP simple polarizer, E2-PSA simple analyzer</li> </ul> <ul style="list-style-type: none"> <li>• EC-ER eye-level riser</li> <li>• E2-F-BF blue light blocking filter</li> <li>• Object marker*6, *7</li> <li>• Eyepiece pointer</li> <li>• Teaching head</li> </ul>
Power supply	Uses the included AC adapter (input: 100-240 VAC, 0.48A Max., 50-60 Hz, output: 5.0 VDC, 3.0A Max.)
Power consumption (max.)	Nominal value: 5 W
Weight	Approx. 6.0kg (when equipped with binocular tube), approx. 6.4kg (when equipped with trinocular tube)

\*1 If the thickness is 2.5 mm or less. When a simple polarizer is attached, only one filter can be installed \*2 Used in combination with EC-T-TB2 Binocular Tube 2 or EC-T-TF2 Trinocular Tube F2  
\*3 Used in combination with C-TB Binocular Tube, C-TF/C-TT Trinocular Tubes or C-TE2 Ergonomic Binocular Tube \*4 Cannot be used for dark-field observation  
\*5 Observations other than brightfield require optional accessories. \*6 Not for medical purposes \*7 A C-OA 15mm adapter is required

Cooperation between pathological specimens and imaging guidance: Dr. Yasushi Nakamura, Pathologist, Osaka Cytopathological Laboratory

Digital Sight 1000 and DS-Fi3 microscope cameras, and NIS-Elements L imaging software are not for medical purposes.

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer.

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 <b>WARNING</b>	TO ENSURE CORRECT USAGE, READ THE CORRESPONDING MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT.
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ECLIPSE Si product page



Nikon Healthcare Business Unit website



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