Nikon

DIGITAL IMAGING MICROSCOPE ECLIPSE Ui

FOR CLINICAL USE

SPEC

Model	ECLIPSE Ui US / EU
Microscopy technique	Diascopic bright-field observation (Koehler illumination)
Observable specimens	One prepared slide
	Thickness: 0.9 to 1.7 mm (comprising the thickness of the slide glass, specimen, mounting medium, and cover glass)
	• Microscope slide (ISO8037 compliant) Thickness: 0.9 to1.2 mm Size: 76 mm x 26 mm
	• Cover glass (ISO8255-compliant) Thickness: 0.17 mm Size: 18 to 60 mm x 18 to 25 mm
	* Do not use any other types of microscope slide and cover glass.
Observable range	Macro-image:	Prepared slide allover (75 mm x 26 mm)
	Micro-image:	Cover glass allover (60 mm x 25 mm or larger)
Optical system	Light source:	High-intensity white LED (for macro- and micro-images)
	Number of fields of view:	22
	Objectives:	CFI Plan Fluor 4X, CFI Plan Fluor 10X, CFI Plan Fluor 20X, CFI Plan Fluor 40X
Motorized Function	Nosepiece movement, stage movement (incl. sample loading), objectives focus, aperture stop, sample holder clips open/close, macro/micro observation switching
Focus drive	Objectives vertical movement system
	Stroke:	10.3 mm
	Focusing speed (maximum):	0.7 mm/s or more
Stage	Stroke:	X; 78 mm, Y; 28 mm
	Moving velocity (maximum):	X: 85 mm/s, Y: 78 mm/s
Aperture diaphragm unit	Aperture diameter:	Ø1.2 mm to Ø28.1 mm 25% to 100% Supported specimen
Barcode	2D barcodes:	QR code, Data Matrix code
	1D barcodes:	CODE-128
Micro-imaging	X-Y staging:	Half, Full, and Repeat (For Repeat, steps 1 to 6 can be selected for each objective.)
	Displaymodes:	Live; 1080 x 1080 30 fps High-Quality; 3712 x 3712, 1 fps
Focus	Contrast AF, manual focus
Exposure compensation	-2 to +2 EV
Color adjustment	Contrast, Brightness, Saturation,Hue Point registration*:Registrable up to 12 points

Marking mode*	Maximum number of spots:	499
	Spot size:	8px, 16px and 32px selectable
Measurement mode*	Line segment and length scale display between two points	
Image capture*	Static macro image capture:	1330 x 460
	Static micro image capture:	Live; 1080 x 1080 High-Quality; 3712 x 3712
	Z-stackimage capture:	Number of images: 1 to 21 Photographing interval: 0.5 to 5 µm Setting interval; 0.5 µm
	Images:	Macro (Overall image of observed sample), Micro (Microscopic appearance)
Image storage format*	JPEG	
Video capture format*	File format:	MP4
	Image capturing time:	10 minutes (Maximum)
	Compression method:	MPEG-4 Video
	Frame rate:	10 fps
	Resolution:	1080 x 1080
Remote operation	Video relay:	AWS, WebRTC
External interface	LAN:	GbE 1000 Mbps (two ports)
	USB:	USB2.0 cable, Type A 480 Mbps (two ports) Mini Display port: Recommended monitor resolution 1920 x 1200
Operating system	Windows 10 IoT Enterprise LTSC 2019	
Main body ratings	Input ratings:	AC100-240 V±10%, 50/60 Hz
	Maximum power consumption:	170 W
Power cord	• For use in a 100 - 120 VAC region outside Japan: UL-listed detachable cord set, 3-conductor grounding (3-conductor grounding, Type SVT, No. 18 AWG, maximum length 3 m, Plug Type NEMA5-15P, rated at 125 VAC minimum)	
	• For use in a 220-240 VAC region: EU/EN listed detachable cord set, 3-conductor grounding (3-conductor grounding, Type H05VV-F 1 mm2, maximum length 3 m, rated at 250 VAC minimum)	
	• For use in Japan: PSE approved detachable cord set, 3-conductor grounding (3-conductor grounding, Type VCTF 3 x 0.75 mm2, maximum length 3 m, rated at 125 VAC minimum))	

* Not for use in diagnostic procedures.

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer.
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⚠ **WARNING** TO ENSURE CORRECT USAGE, READ THE CORRESPONDING MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT.

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