

NanoZoomer[®] S360MD

Slide scanner system C13220-21MDEU

Discover this high-throughput, newly IVDR compliant model



High-throughput scanning

Up to 82 slides/h
(40× mode)

High-capacity scanning

360 slides
in one batch

Selectable workflow

Fully and Semi-
automated scanning
available

Low-operational workload

Assistant for
image quality
check

IVDR compliant

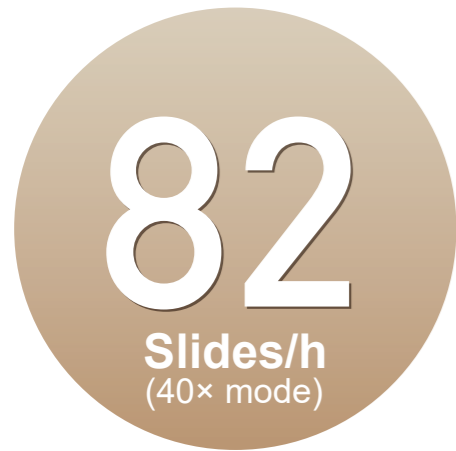
Assured safety
and performance
for medical use

Quickly generate digitalized slides

High-throughput and high-capacity scanning

Realized by improving scan speed and other processes such as slide loading and data transfer.

High-throughput



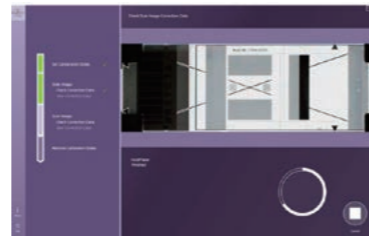
Scan speed delivers a throughput of 82 slides/h in 20x and 40x mode.

Automatic scanning



Up to 30 slides can be loaded in 1 cassette and up to 12 cassettes in a system. A total of 360 slides can be scanned automatically.

Maintain an optimized system condition



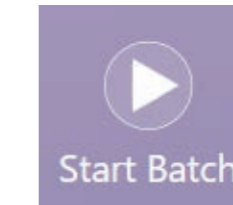
Automated correction maintains optimum image quality and color balance.



Improved scanning workflow solutions

Can choose scanning mode as you like.

Fully-automated scanning



All scanning processes work automatically.

Semi-automated scanning

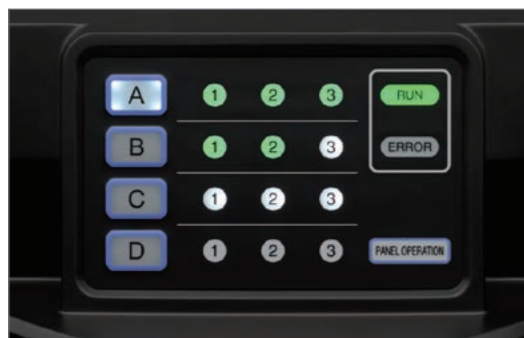


Possibility to set up scanning conditions such as scan area or resolution and to assign profiles for each slide.

More productive and convenient

Scan process monitoring

Users can check the progress of slides scans. A display panel shows the status of each cassette as "Waiting for scan", "Scanning" and "Scan completed".



Profile creations

It is possible to switch the workflow between fully-automated and semi-automated scanning according to user requirements.



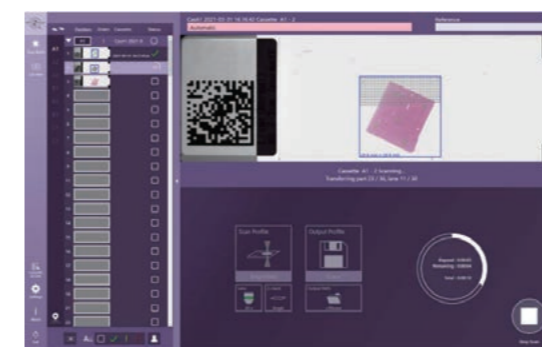
Scan profile



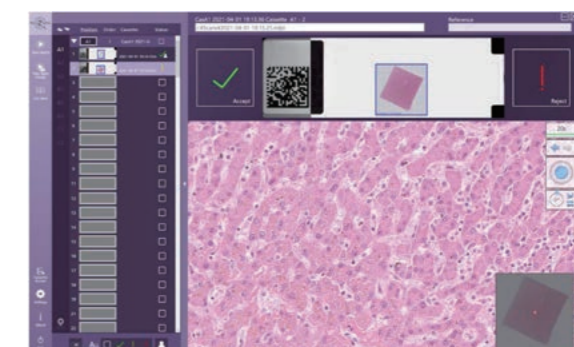
Output profile

Quality check

QC (Quality check) mode is available to allow users to check image quality before finalizing the WSI.

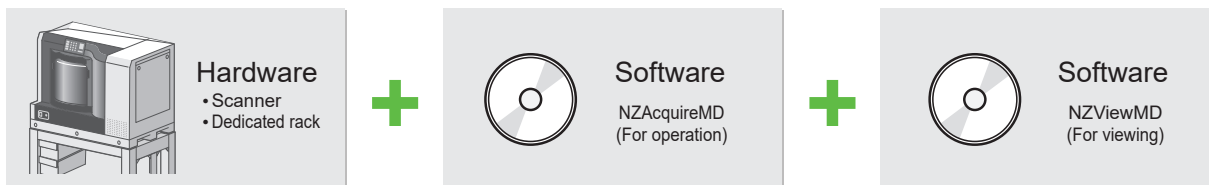


Scanning

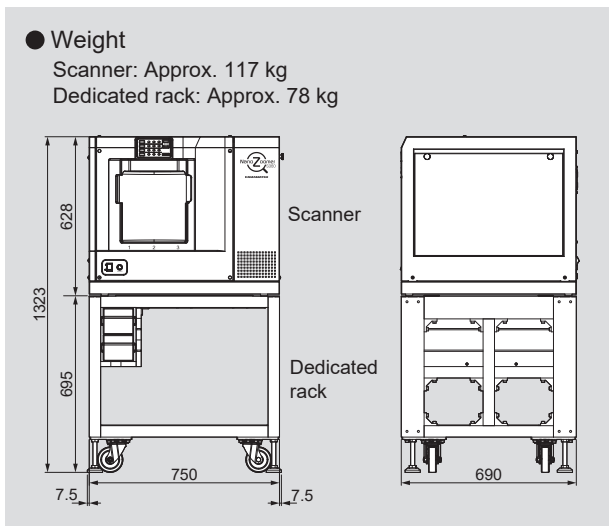


Checking

System configuration



Dimensional outlines (Unit: mm)



* Excluding levelling feet.

Specifications

Product name		NanoZoomer® S360MD Slide scanner system
Product number		C13220-21MDEU
Scanning speed	20× mode (15 mm×15 mm)	Approx. 30 s
	40× mode (15 mm×15 mm)	Approx. 30 s
Throughput	20× mode (15 mm×15 mm)	More than 82 slides/h ^{*1}
	40× mode (15 mm×15 mm)	More than 82 slides/h ^{*1}
Objective lens		20× N.A. 0.75 User can select 20× or 40× mode at start of scanning
Compatible glass slides		26 mm × 76 mm (Thickness 0.9 mm to 1.2 mm)
Slide loader	Standard size slide	360 slides (30 slides × 12 cassettes)
Scanning resolution	20× mode	Approx. 0.46 μm/pixel
	40× mode	Approx. 0.23 μm/pixel
Focusing method		Pre-Focus map
Z-stack feature		Included
Image compression		JPEG compression
Readable barcodes	1D Barcodes	Code 39, Code 128, Interleaved 2 of 5, Codabar, EAN-8 and UPC-E
	2D Barcodes	DataMatrix (ECC200) QR code (QR Code Model-1) QR code (QR Code Model-2)
Power supply		AC 100 V to AC 240 V
Power consumption (Scanner only)		Approx. 200 VA

*1 For the case of 5 focus points

Intended Use

NanoZoomer S360MD Slide scanner system ("NanoZoomer System") is an automated digital slide creation, viewing, and management system. The NanoZoomer System is intended for in vitro diagnostic use as an aid to the pathologist to review and interpret digital images of surgical pathology slides prepared from formalin-fixed paraffin-embedded ("FFPE") tissue. The NanoZoomer System is not intended for use with frozen section, cytology, or non-FFPE hematopathology specimens. The NanoZoomer System comprises the Scanner and the NZViewMD Software. The NanoZoomer System is for creation and viewing of digital images of scanned glass slides that would otherwise be appropriate for manual visualization by conventional light microscopy. It is the responsibility of a qualified pathologist to employ appropriate procedures and safeguards to assure the validity of the interpretation of images obtained using NanoZoomer System.

Registration Information on European Database for Medical Devices

Applicable legislation: IVDR (REGULATION (EU) 2017/746 on in vitro diagnostic medical devices)
Basic UDI-DI code: 4582389NNZM36001MU

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