NanoZoomer® S360MD Slide scanner system

C13220-01MD **For USA**

Discover this high-throughput, newly Whole Slide Imaging system

Intended Use

The 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 NanoZoomer® S360MD Slide scanner, the NZViewMD Software and a compatible display that has been 510(k) cleared for use with the NanoZoomer® system or a 510(k)-cleared display that has been assessed in accordance with the Predetermined Change Control Plan (PCCP) for qualifying additional compatible displays. 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.

High-throughput Scanning
82 slides/h
(40× mode)
* When it scans an area of 15 mm × 15 mm square with 5 focus points.

High-capacity Scanning
360 slides
in one batch

Selectable Scanning Modes
Fully and semi-Automatic scanning available

Low-operational Workload
Assistant for image quality check

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PHOTON IS OUR BUSINESS

Quickly generate digitalized slides

High-throughput and high-capacity scanning

Optimize slide loading, scan speed and data transfer to maximize scanning efficiencies.

High-throughput

82
Slides/h
(40× mode)

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

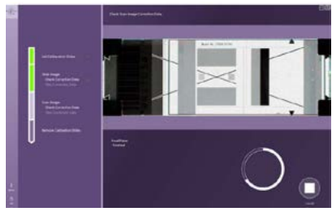
* When it scans an area of 15 mm × 15 mm square with 5 focus points.

Automatic scanning

360
Slides

12 cassettes with 30 slides per cassettes.

Maintain an optimized system condition



Optimum image quality and color balance are maintained by the operational software “NZAcquireMD”.

Improved scanning workflow solutions

Can choose a scanning mode as you like.

Fully-Automatic scanning

All scanning processes work automatically.

Semi-Automatic scanning

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

More productive and convenient

Scan status

Scan status bar displaying the status for each cassette as “Waiting for scan”, “Scanning” and “Scan completed”.

Profile functions

- **Scan profile**

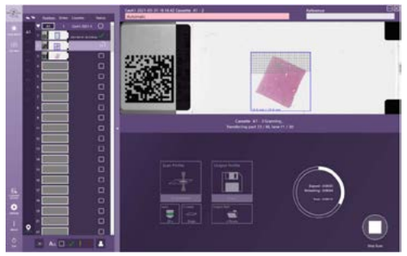
  Save scan conditions such as scan area and sample size threshold for tissue recognition.

- **Output profile**

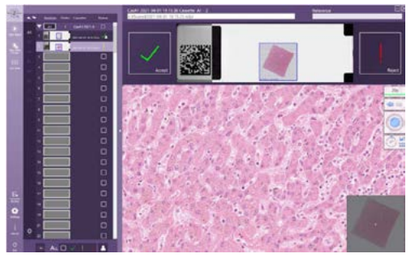
  You can choose multiple files for saving an image.

Quality check

QC (Quality Check) mode is available to allow users to check image quality before finalizing Whole Slide Image.

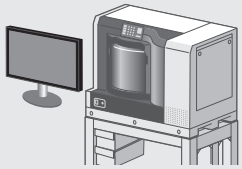


Scanning



Checking

System configuration



Hardware
- Scanner
- Dedicated cart
- Display
  JD-C240BN01A
  (JVC KENWOOD)

+

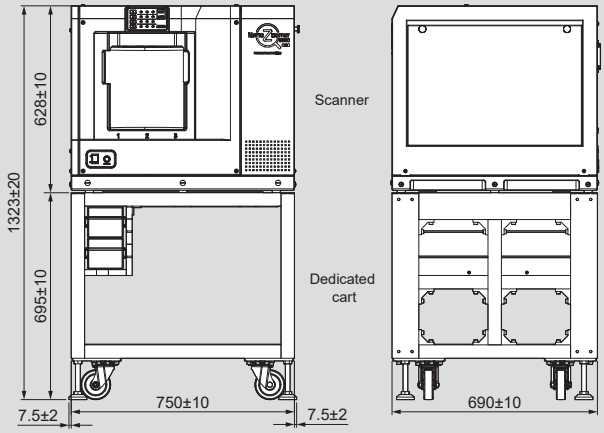
Software
NZAcquireMD
(For operation)

+

Software
NZViewMD
(For viewing)

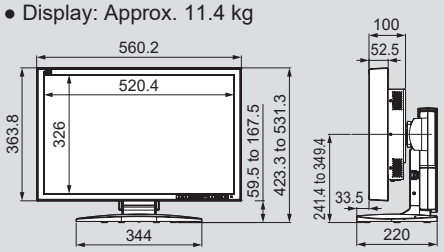
Dimensional outlines (Unit: mm)

- Scanner: 116.5 kg ± 4 kg
- Dedicated cart: 78.0 kg ± 4 kg



* Excluding levelling feet.

- Display: Approx. 11.4 kg



Specifications

Product name		NanoZoomer® S360MD Slide scanner system
Product number		C13220-01MD
Scanning speed *1	20× mode	Approx. 30 s
	40× mode	Approx. 30 s
Throughput *1	20× mode	More than 82 slides/h
	40× mode	More than 82 slides/h
Objective lens		20× N.A. 0.75 User can select 20× or 40× mode at start of scanning
Compatible glass slides		25.0 mm to 26.0 mm × 75.0 mm to 76.0 mm (Thickness 0.9 mm to 1.2 mm)
Slide loader		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, EAN-13, Patch Codes, UPC-A and UPC-E
	2D Barcodes	DataMatrix (ECC200)
Power supply		AC 100 V to AC 240 V
Power consumption (Scanner only)		Approx. 200 VA

*1 When it scans an area of 15 mm × 15 mm square with 5 focus points.

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Manufacturer

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