NanoZoomer® S360MD
Slide scanner system

C13220-01MD   **For USA**

Discover this high-throughput, newly Whole Slide Imaging system

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 NanoZoomer® S360MD Slide scanner, the NZViewMD Software and the JVC Kenwood JD-C240BN01A display. The NanoZoomer® System is for creation and viewing of digital images of scaned 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.

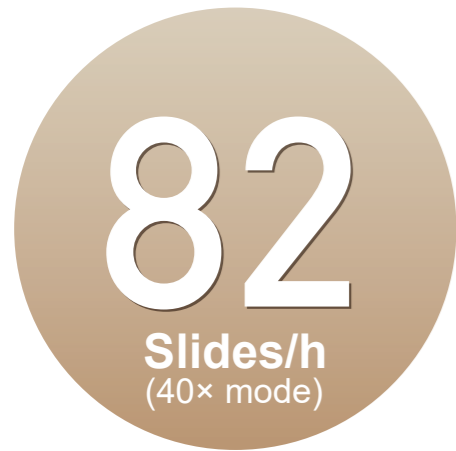| **High-throughput scanning**	82 slides/h (40× mode) * When it scans an area of 15 mm × 15 mm square with 5 focus points.	**High-capacity scanning**	360 slides in one batch
Selectable scanning mode	Fully and semi-automated scanning available	**Low-operational workload**	Assistant for image quality check

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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 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 status

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

Profile creations

Ability to switch the workflow between fully-automated and semi-automated scanning according to user requirements.
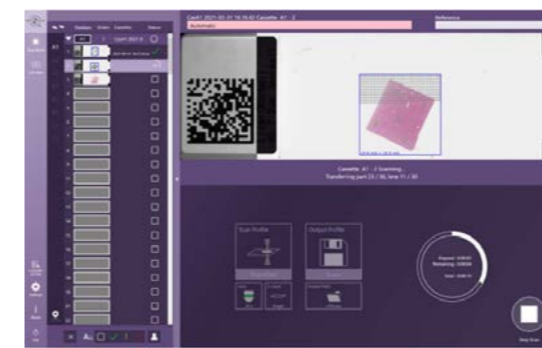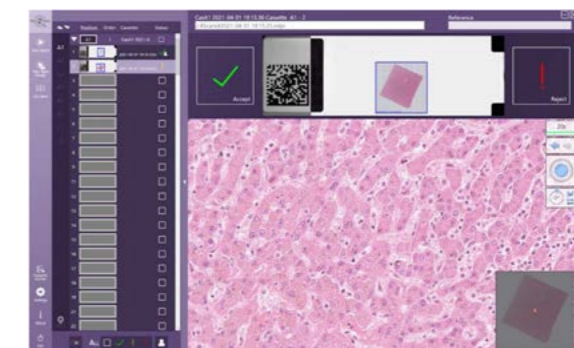
Scan profile   Output profile

Quality check

QC (Quality Check) mode is available to allow users to check image quality before finalizing the Whole Slide Imaging.
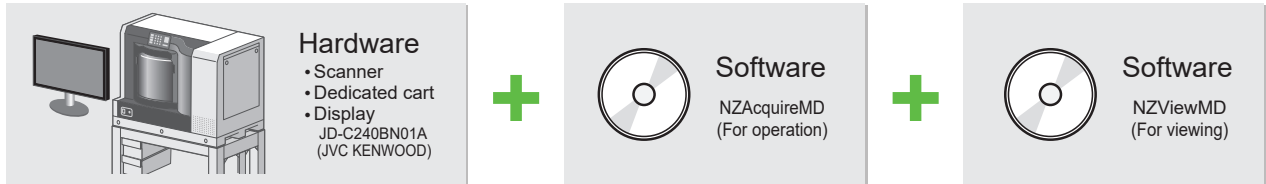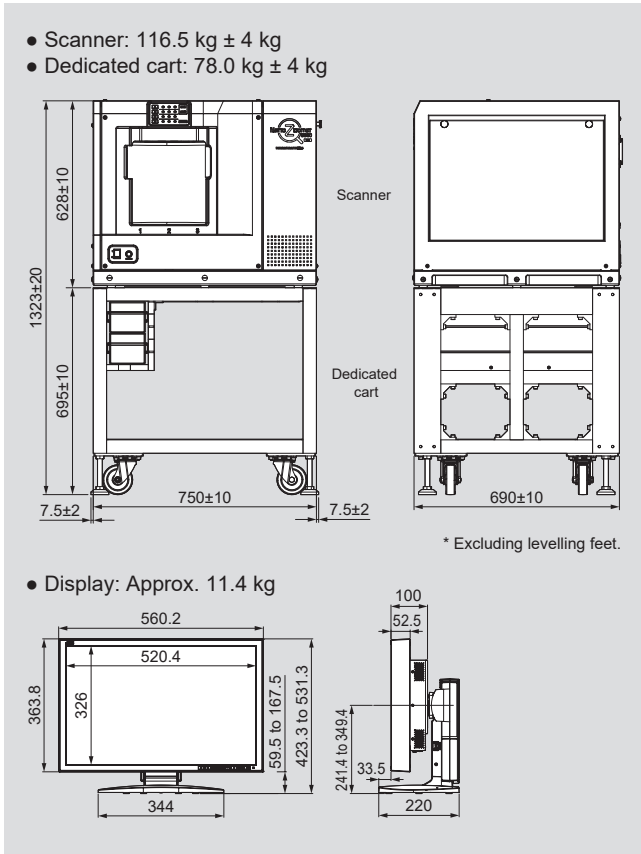
Scanning   Checking

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

Scanner

Dedicated cart

628±10

1323±20

695±10

7.5±2   750±10   7.5±2

690±10

* Excluding levelling feet.

- Display: Approx. 11.4 kg

560.2
520.4
363.8
326
344
100
52.5
59.5 to 167.5
423.3 to 531.3
241.4 to 349.4
33.5
220

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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