

NanoZoomer[®] S20MD

Slide scanner system

C16300-21MDEU

Compact and
high-speed scanning
for digital pathology



High-speed Scanning

Approx. 30 s
(20×/40× mode)
*When it scans an area of 15 mm × 15 mm square
with 5 focus points.

Compact

Small footprint on
lab bench

Selectable Scanning Modes

Fully and semi-
Automatic scanning
available

Quality Check

Ensuring high image
quality from each scan

Rapid Throughput

20 slides approx. 15 min
(20×/40× mode)
*When it scans an area of 15 mm × 15 mm square
with 5 focus points.

Flexible Slide Racks

Sakura 4768 20-slide basket
Hamamatsu Slide cassette

High Quality Images

Same pixel pathway and
color adjustment as
NanoZoomer MD series

Regulatory Compliant

IVDR (EU)
UK MDR2002 (UK)
IVDO (CH)

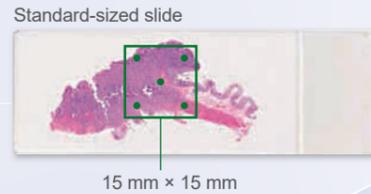
Compact, high-speed and smart scanner

High-speed Scanning

Delivers a fast scanning speed of

Approx. **30** seconds*
(40×/20× mode)

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



Rapid Throughput

New slide handling mechanics allows for rapid handling of slides for

20 slides in **15** min*

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



Compact and Scalable

Our compact scanner fits on a lab bench and is a scalable solution, as you can add more scanners as digitization needs increase.

Combine the NanoZoomer MD product portfolio to meet a wide range of scanning needs, from mega slides to high capacity scanning.

Selectable Scanning Modes

Fully-Automatic scanning



Start Batch

All scanning processes work automatically. As soon as you load, the scanning begins. The LED on the scanner indicates scan progress at a glance.

Semi-Automatic scanning



Take Slide Image

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

Quality Check

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



Scanning



Checking

Flexible Slide Rack

Load directly from Sakura 4768 20-slide basket* and cover slipper for a lean scanner workflow process.

* Sakura 4768 20-slide basket is an option.



High Quality Images

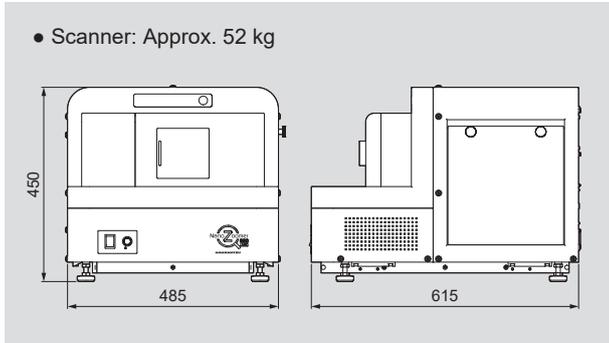
Our scanner produces high quality images using the 40× and 20× modes. The NanoZoomer MD range has the same pixel pathway and color reproducibility. This provides confidence and consistency in producing images for use in primary diagnostics and image analysis.



System configuration



Dimensional outlines (Unit: mm)



Option



- Adapter on SAKURA basket for S20
A16696-02

Specifications

Product name		NanoZoomer S20MD Slide scanner system
Product number		C16300-21MDEU
Scanning speed * (20× mode / 40× mode)		Approx. 30 s
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		Up to 20 slides
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-2)
Power supply		AC 100 V to AC 240 V
Power consumption (Scanner only)		150 VA

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

Intended Use

NanoZoomer S20MD 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.

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- Subject to local technical requirements and regulations, availability of products included in this brochure may vary. Please consult your local sales representative.
- The product described in this brochure is designed to meet the written specifications, when used strictly in accordance with all instructions.
- The measurement examples in this brochure are not guaranteed.

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