

# NanoZoomer<sup>®</sup> S20MD

## Slide scanner system

C16300-01MD **For USA**

Compact and  
high-speed scanning  
for digital pathology



### High-speed scanning

Approx. 30 s/slide  
(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

### High throughput

20 slides approx. 15 min  
(20×/40× mode)

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

### Slide rack compatibility

Sakura 4768 20-slide basket  
Hamamatsu Slide cassette

### High-quality images

NanoZoomer MD series  
pixel pathway

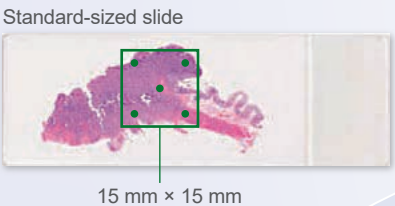
# Compact, high-speed and smart scanner

## 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.

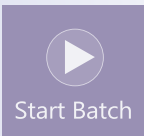


## Compact and scalable

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 STAT slides to high capacity scanning.

## Selectable scanning modes

### Fully-Automatic scanning



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



Set-up scanning conditions such as the scan area, focus point placement, Z-stacking, and resolution and to assign bespoke profiles to each slide.

## High 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.



## Slide rack compatibility

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.

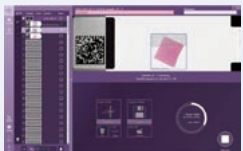


## High-quality images

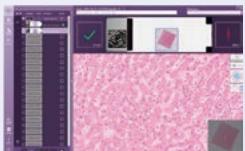
Our scanner produces high-quality images using the 40× and 20× modes. The NanoZoomer MD range has an equivalent pixel pathway and color reproducibility. This provides confidence and consistency in producing images for use in primary diagnostics and image analysis.

## Quality check

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

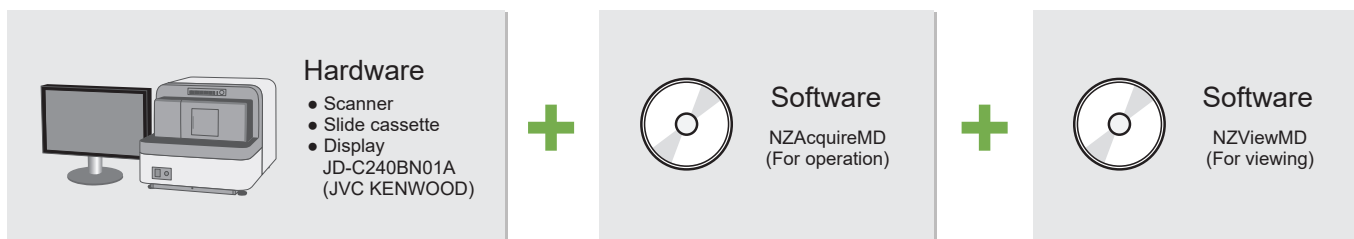


Scanning

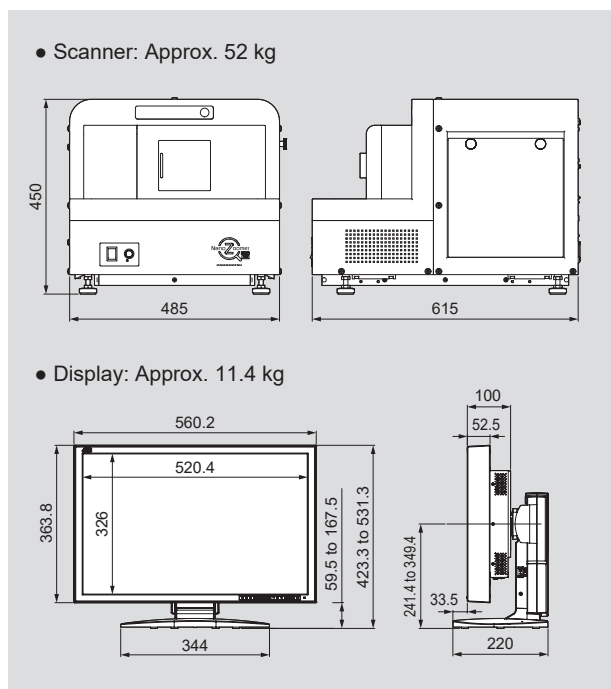


Checking

## System configuration



## Dimensional outlines (Unit: mm)



## Specifications

|                                  |             |                                                                         |
|----------------------------------|-------------|-------------------------------------------------------------------------|
| Product name                     |             | NanoZoomer S20MD Slide scanner system                                   |
| Product number                   |             | C16300-01MD                                                             |
| Scanning speed *                 |             | Approx. 30 s/slide                                                      |
| (20× mode / 40× mode)            |             |                                                                         |
| Objective lens                   |             | 20× N.A. 0.75<br>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<br>(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)                                                     |
| Power supply                     |             | AC 100 V to AC 240 V                                                    |
| Power consumption (Scanner only) |             | Approx. 150 VA                                                          |

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

## Option



- Adapter on SAKURA basket for S20  
**A16696-02**

## Intended Use

The NanoZoomer S20MD Slide scanner system ("NanoZoomer System") is an automated digital slide creation, viewing, and management system. 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. 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.

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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- 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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