NanoZoomer® S20MD
Slide scanner system

C16300-21MDEU

Compact and
high-speed scanning
for digital pathology

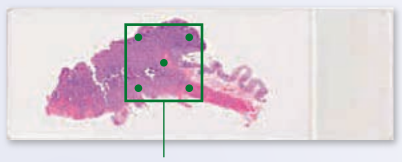
High-speed Scanning	Approx. 30 Sec (20×/40× mode) *When it scans an area of 15 mm × 15 mm square with 5 focus points.
Compact	Small footprint on lab bench
Selectable Scanning Modes	Fully and semi-Automatic scanning available
Quality Check	Ensuring high image quality from each scan
Rapid Throughput	20 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) UKCA (UK) IvDO (CH)

HAMAMATSU

PHOTON IS OUR BUSINESS

Compact, high-speed and smart scanner

High-speed Scanning



Delivers a fast scanning speed of

Approx. **30** seconds

(40×/20× mode)

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

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

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

Rapid Throughput

New slide handling mechanics allows for rapid handling of slides for

20 slides in **15** min

Flexible Slide Rack

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

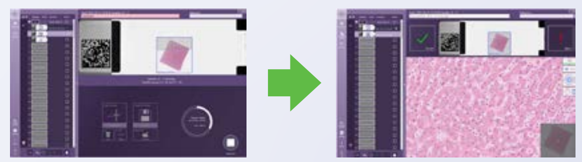
* Sakura 4768 20-slide basket is an option.

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.

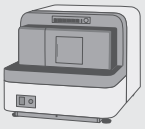
Quality Check

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



Scanning Checking

System configuration



Hardware
- Scanner
- Slide cassette

+

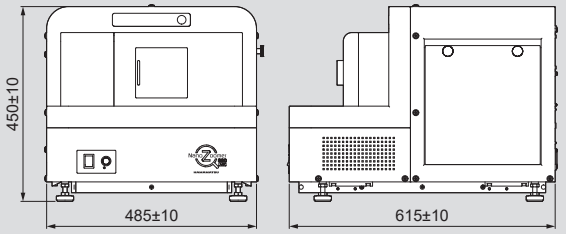
Software
NZAcquireMD
(For operation)

+

Software
NZViewMD
(For viewing)

Dimensional outlines (Unit: mm)

- Scanner: 52 kg ± 2 kg



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-1 / 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.

- NanoZoomer is a registered trademark of Hamamatsu Photonics K.K. (EU, Japan, UK, USA)
- The product and software package names noted in this brochure are trademarks or registered trademarks of their respective manufacturers.
- Subject to local technical requirements and regulations, availability of products included in this brochure may vary. Please consult with 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.

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HAMAMATSU PHOTONICS K.K. www.hamamatsu.com

Manufacturer

HAMAMATSU PHOTONICS K.K., Systems Division Joko Factory
812 Joko-cho, Higashi-ku, Hamamatsu-City, Shizuoka-Pref. 431-3196, Japan
Telephone: (81)53-431-0124, Fax: (81)53-433-8031
E-mail: export@sys.hpk.co.jp

Authorised representative

HAMAMATSU PHOTONICS DEUTSCHLAND GMBH
EC REP Arzbergerstr. 10, 82211 Herrsching am Ammersee, Germany
E-mail: pms-med@hamamatsu.eu

HAMAMATSU PHOTONICS UK LIMITED
UK REP 2 Howard Court, 10 Tewin Road, Welwyn Garden City, Hertfordshire, AL7 1BW, UK
E-mail: pms-med@hamamatsu.co.uk

HAMAMATSU PHOTONICS FRANCE S.A.R.L. Swiss Office
CH REP Dornacherplatz 7, 4500 Solothurn, Switzerland
E-mail: swiss@hamamatsu.ch

Importers

HAMAMATSU PHOTONICS DEUTSCHLAND GMBH
Arzbergerstr. 10, 82211 Herrsching am Ammersee, Germany
Telephone: (49)8152-375-0, Fax: (49)8152-265-8
E-mail: info@hamamatsu.de

HAMAMATSU PHOTONICS FRANCE S.A.R.L.
19 Rue du Saule Trapu, Parc du Moulin de Massy, 91882 Massy Cedex, France
Telephone: (33)1 69 53 71 00, Fax: (33)1 69 53 71 10
E-mail: infos@hamamatsu.fr

HAMAMATSU PHOTONICS NORDEN AB
Torshamnsgatan 35 16440 Kista, Sweden
Telephone: (46)8-509 031 00, Fax: (46)8-509 031 01
E-mail: info@hamamatsu.se

HAMAMATSU PHOTONICS ITALIA S.R.L.
Strada della Moia, 1 int. 6, 20044 Arese (Milano), Italy
Telephone: (39)02-93 58 17 33, Fax: (39)02-93 58 17 41
E-mail: info@hamamatsu.it

Cat. No. SBIS0141E02
DEC/2022 HPK
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