

NanoZoomer[®] S60v2MD

Slide scanner system

C16600-21MDEU

Scan various size slides with
this regulatory compliant model



Multi-slide Type Scanning

Up to
60 standard-sized slides
or 30 mega-sized slides

High- speed Scanning

60 s (20× mode)
75 s (40× mode)

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

Selectable Scanning Modes

Fully and semi-
Automatic scanning
available

Low- operational Workload

Assistant for image
quality check

Regulatory Compliant

IVDR (EU)
UK MDR2002 (UK)
IvDO (CH)

Flexible multi-slide scanning options at constant high-speed

Multi-slide type handling

The NanoZoomer S60v2MD has three slots available, which allows to scan both standard and mega-sized slides in one batch.

Standard-sized slide

Up to **60** slides

20 slides × 3 cassettes

25.0 mm to 26.0 mm

75.0 mm to 76.0 mm

Mega-sized slide

Up to **30** slides

10 slides × 3 cassettes

51.0 mm to 52.0 mm

75.0 mm to 76.0 mm

Users can use up to three slots using standard or mega-sized slides interchangeably based on their preferences.

Example

Scanning 40 standard-sized slides and 10 mega-sized slides at one time.

Slot 3

Slot 2

Slot 1

Standard-sized slides

20 slides

Standard-sized slides

20 slides

Mega-sized slides

10 slides

High-speed scanning

Achieve these outstanding scan timings on both standard and mega-sized slides.

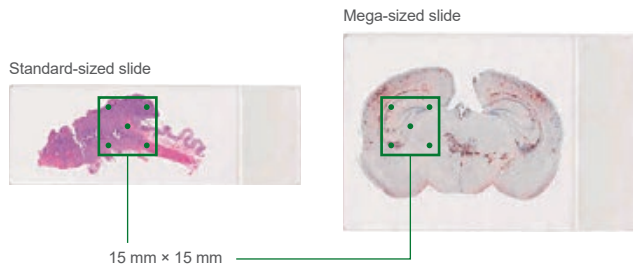
20× mode

Approx. **60** seconds

40× mode

Approx. **75** seconds

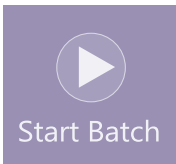
These scan timings can be achieved when it scans an area of 15 mm × 15 mm square with 5 focus points.



Improved scanning workflow solutions

Choose your preferred scanning mode.

Fully-Automatic scanning



All scanning processes work automatically.

Semi-Automatic scanning



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

Maintain an optimized system condition



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



More productive and convenient

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.

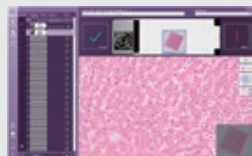


Quality check

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

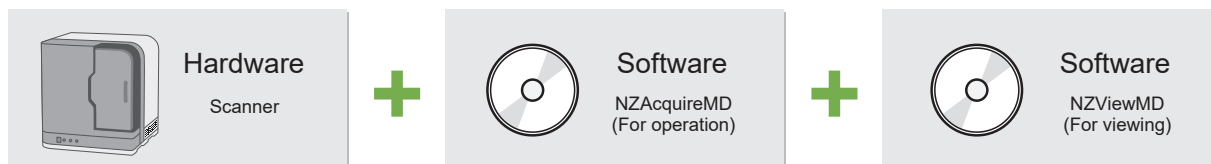


Scanning



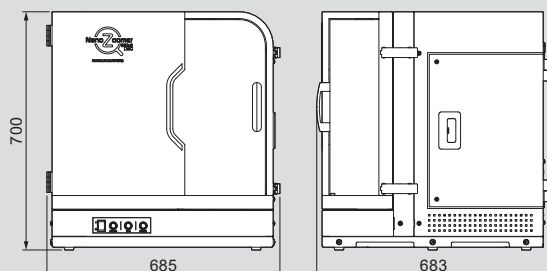
Checking

System configuration



Dimensional outlines (Unit: mm)

- Scanner: Approx. 84.0 kg



LASER SAFETY

The NanoZoomer S60v2MD is a Class 1 laser product. Hamamatsu Photonics classifies laser diodes and provides appropriate safety measures and labels according to the classification required for manufacturers by IEC 60825-1. When using this product, follow all safety measures as specified by the IEC.



Specifications

Product name		NanoZoomer S60v2MD Slide scanner system
Product number		C16600-21MDEU
Scanning speed *1	20× mode	Approx. 60 s
	40× mode	Approx. 75 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)
		51.0 mm to 52.0 mm × 75.0 mm to 76.0 mm (Thickness 0.9 mm to 1.2 mm)
Slide loader	Standard-sized slide *2	Up to 60 slides (20 slides × 3 cassettes) *3
	Mega-sized slide *2	Up to 30 slides (10 slides × 3 cassettes) *3
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)		Approx. 120 VA

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

*2 Standard-sized is a single slide, mega-sized is a double-width, large slide.

*3 Up to 3 cassettes can be set with combination of standard and mega-sized slides.

Intended Use

NanoZoomer S60v2MD 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)
- QR Code is a registered trademark of DENSO WAVE INCORPORATED.
- 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 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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HAMAMATSU PHOTONICS K.K. www.hamamatsu.com

Manufacturer

HAMAMATSU PHOTONICS K.K., Systems Division Joko Factory

812 Joko-cho, Chuo-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



Arzbergerstr. 10, 82211 Herrsching am Ammersee, Germany
E-mail: pms-med@hamamatsu.eu

HAMAMATSU PHOTONICS UK LIMITED



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



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 FRANCE S.A.R.L. Swiss Office

Dornacherplatz 7, 4500 Solothurn, Switzerland
Telephone: (41)32 625 60 60, Fax: (41)32 625 60 61
E-mail: swiss@hamamatsu.ch

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