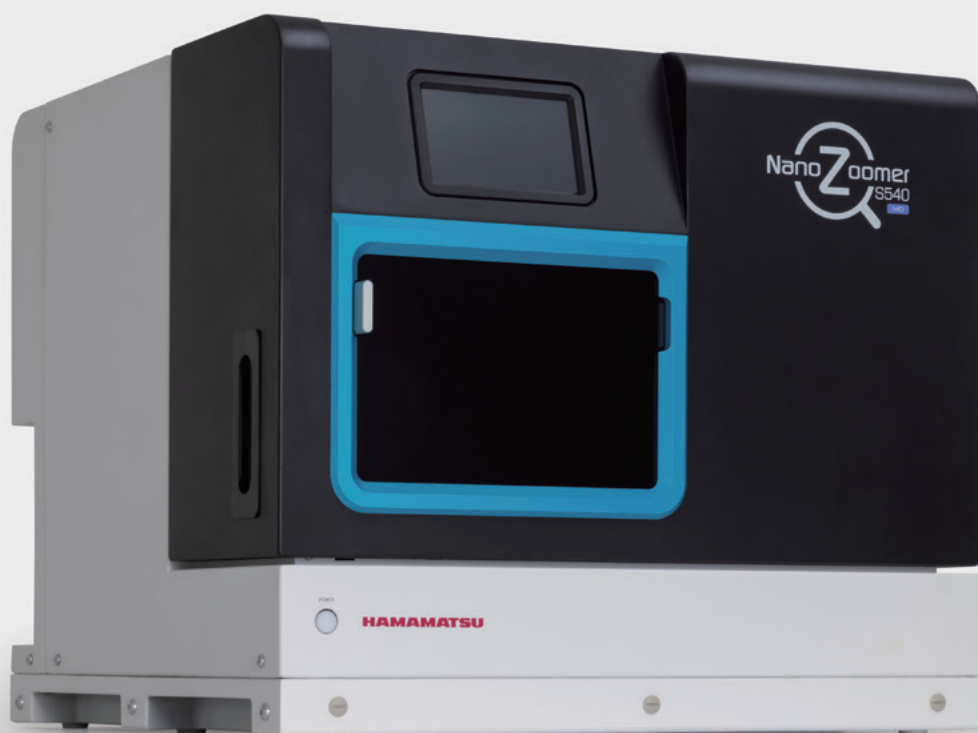


NanoZoomer[®] S540MD

Slide scanner system

C17400-21MDEU

High-throughput model for reliable digital pathology



High-speed Scanning

Approx. 30 s/slide
(20×/40× mode)

High Throughput

82 slides/h
(20×/40× mode)

Slide Rack Compatibility

540 slides
Rack for 30 slides
360 slides
Rack for 20 slides

Continuous Loading

Load racks
without interrupting
scanning

Intuitive Touchscreen Interface

Easy to use
interface for
efficient operation

Regulatory Compliant

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

A stable system for operational efficiency

The NanoZoomer S540MD by Hamamatsu is engineered with the lab in mind for a seamless workflow.

Featuring compatibility with staining racks, fast slide scanning, exceptional image quality, and an intuitive touchscreen interface, this high-capacity scanner is built to handle the needs of the clinical pathology laboratory.



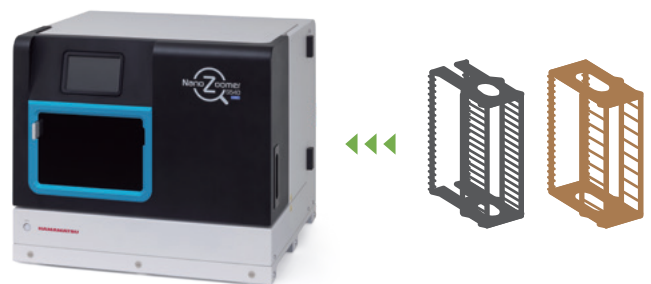
Up to
540
Slides*

82
Slides/h
(20×/40× mode)

*Maximum capacity: 540 slides with a rack for 30 slides and 360 slides with a rack for 20 slides.

Rack Compatibility

The NanoZoomer S540MD can handle both rack for 30 slides and 20 slides simultaneously. Based on user needs, there is flexibility to select configurations with the rack for 30 slides or 20 slides to 18 slots at the factory.



Selectable Scanning Modes

Fully-Automatic Scanning

All scanning processes can be fully automated. Scanning begins immediately upon loading the rack, and the scanner's touch screen interface provides a clear visual indication of scan progress.

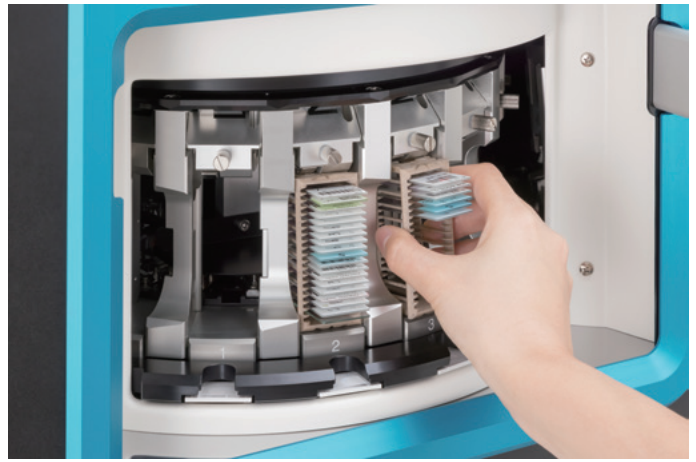
Semi-Automatic Scanning

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

Continuous Loading

Insert and exchange racks without interrupting scanning. Rack priority can be set either directly in the touchscreen interface or using the operation software (NZAcquireMD or NZConnectMD Scan*).

*Please refer to the datasheet of NZConnectMD Scan to see the full list of features.



Touch Screen Interface

The touch screen allows users to operate and monitor key scanning functions without accessing the operation software, including:

- Start/Stop Scanning and Remove Racks
- Set Scan Priority for Racks
- Display Scan Status



Start/Stop Scanning and Remove Racks



Set Scan Priority for Racks



Display Scan Status

AI Tissue Detection

AI tissue detection enables fast and targeted tissue identification, ensuring that only tissue areas are scanned accurately.

Profile Functions

Scan profile

Save scan conditions such as scan area and sample size threshold for tissue recognition.

Output profile

Assign output file conditions, such as save location and file type parameters.

Quality Check

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

System configuration

