NanoZoomer® S360
Digital slide scanner C13220-01

The latest high-throughput model, ideal for uses in hospitals and clinical laboratories.

- **High throughput scanning**: More than 82 slides/h (40× mode)
- **Low operational workload**: Automated assistant of image quality check
- **High capacity scanning**: 360 slides in one batch
High throughput scanning of tissue slides with low operational workload

## High throughput and high capacity scanning

By improving scan speed as well as other processes such as slide loading and data transfer.

### High throughput of 82 slides/h!

The drastic improvement of the scan speed, one half of conventional models, realizes throughput of 82 slides/hour for both 20× and 40× mode.

### Automatic scanning up to 360 slides!

Up to 30 tissue slides are mounted in a cassette, and up to 12 cassettes are mounted in a system. Total 360 slides are automatically scanned once you started.

## Reduces the workload of checking image quality

### Daily yield of scans

High throughput

82 Slides/h

(40× mode)

1080 Slides

Three runs of batches a day!

4.5 hours scanning time of 360 slides enable to start three batches within working hour.

## Automated assistant of image quality check

Greatly simplified image quality check process with automated focus evaluation.

### Easy identification of areas in a slide that need to be visually checked!

The focus pass/fail results are superimposed and displayed over entire tissue on a slide, and users can easily identify areas that need to be checked.

- Blue colored: in-focus area
- Red colored: out-of-focus area

### Easy identification of slides that need to be visually checked and rescanned!

Focus quality of scanned images are scored, and it is presented on a display monitor. Users can identify slides need to be visually checked, then define slides need to be rescanned. This process improve scanning efficiency and greatly reduces operational workload.

## More productive and convenient

Users can check progress of slide scans. Display panel shows status of each cassette as "Waiting for scan", "Scanning" and "Scan completed".

### Scan process monitoring

#### Cassette based management of slide scan mode

Slide scan mode is independently manageable for each cassette labeled with a unique barcode. It is useful when different kind of tissues or stains included in one batch of scan.

### Barcode management for each cassette

Display panel shows status of each cassette as "Waiting for scan", "Scanning" and "Scan completed".

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## Daily yield of scans

8:00 12:30 17:00

Set slide Set slide Set slide

### 360 Slides

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Example of system configuration

NanoZoomer S360 C13220-01

NDP image distribution server

NDP serve3 software

Network

Dimensional outlines (Unit: mm)

Weight

Main Unit: Approx. 117 kg
Dedicated rack: Approx. 78 kg

Specifications

<table>
<thead>
<tr>
<th>Product name</th>
<th>NanoZoomer S360</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part number</td>
<td>C13220-01</td>
</tr>
<tr>
<td>Scanning speed</td>
<td>20× mode (15 mm×15 mm) Approx. 30 s</td>
</tr>
<tr>
<td>Throughput</td>
<td>20× mode (15 mm×15 mm) More than 82 slides/h*1</td>
</tr>
<tr>
<td>Objective lens</td>
<td>20× N.A. 0.75 User can select 20× or 40× mode at start of scanning</td>
</tr>
<tr>
<td>Compatible glass slides</td>
<td>26 mm×76 mm (Thickness 0.9 mm to 1.2 mm)</td>
</tr>
<tr>
<td>Slide loader</td>
<td>Standard size slide 360 slides (30 slides×12 cassettes)</td>
</tr>
<tr>
<td>Scanning resolution</td>
<td>20× mode 0.46 μm/pixel</td>
</tr>
<tr>
<td>Z-stack feature</td>
<td>Included</td>
</tr>
<tr>
<td>Image compression</td>
<td>JPEG compression</td>
</tr>
<tr>
<td>Power supply</td>
<td>AC 100 V to AC 240 V</td>
</tr>
<tr>
<td>Power consumption (Scanner only)</td>
<td>Approx. 200 VA</td>
</tr>
</tbody>
</table>

*1 For the case of 5 focus points

* Excluding levelling feet.

* Following products are CE marked under EU's In Vitro Diagnostics Directive (IVDD) for in vitro diagnostic use: NanoZoomer-SQ, NanoZoomer S210, NanoZoomer S60, NanoZoomer S360 including optional software e.g. NDP.view2 (U12388-21), NDP.view2 plus (U12388-22) and NDP serve3 software (U13173-21, -22, -23).

In China, following products are registered for in vitro diagnostic use: NanoZoomer-SQ, NanoZoomer S210 and NanoZoomer S60.

In Russia, following products are registered as medical device: NanoZoomer-SQ, NanoZoomer S210 and NanoZoomer S60.

In the US, Japan and other countries, NanoZoomer is for research use only and is not permitted to use for clinical diagnostic purposes.

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