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

HAMAMATSU

P H O T O N   I S   O U R   B U S I N E S S

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.

High throughput

82 Slides/h
(40× mode)

Automatic scan 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.
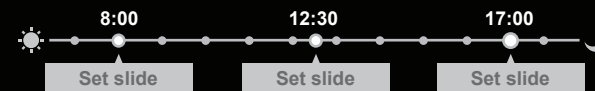
Automatic scanning

360 Slides

Daily yield of scans

1080 Slides

Three runs of batches a day!

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

8:00	12:30	17:00
Set slide	Set slide	Set slide

More productive and convenient

Scan process monitoring

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

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.

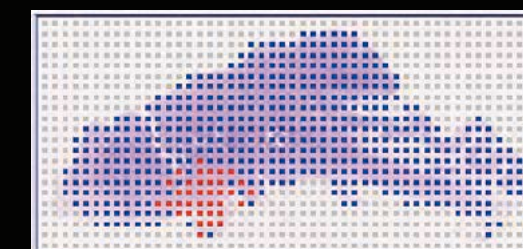Barcode management for each cassette

Automated assistant of image quality check

Greatly simplified image quality check process with automated focus evaluation.

Reduces the workload
of checking image quality

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.
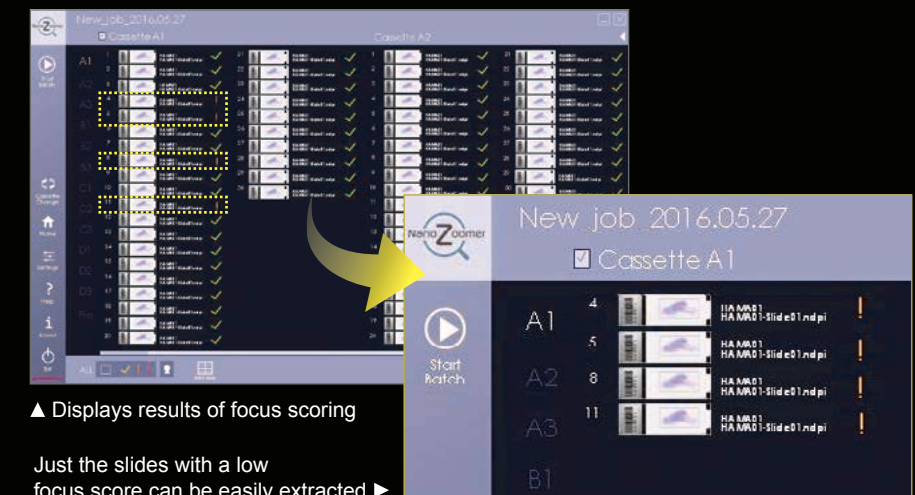
▲ Displays results of focus scoring

Just the slides with a low focus score can be easily extracted ▶

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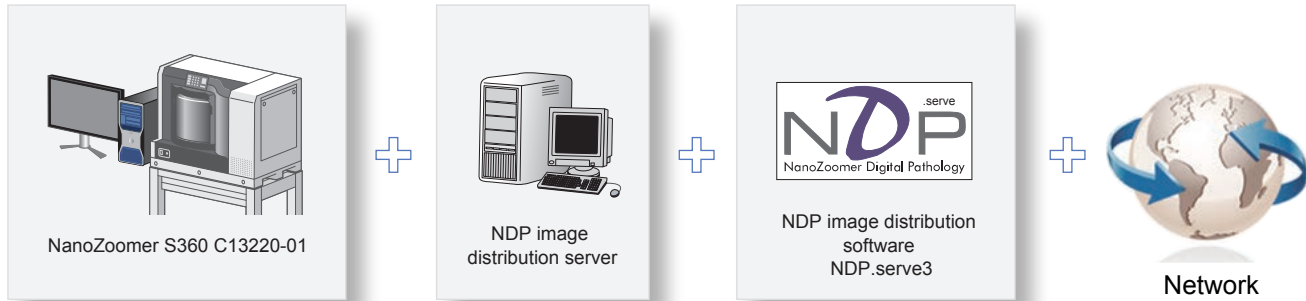
The focus pass/fail results are superimposed and displayed over entire tissue on a slide, and users can easily identify areas that need to be checked.
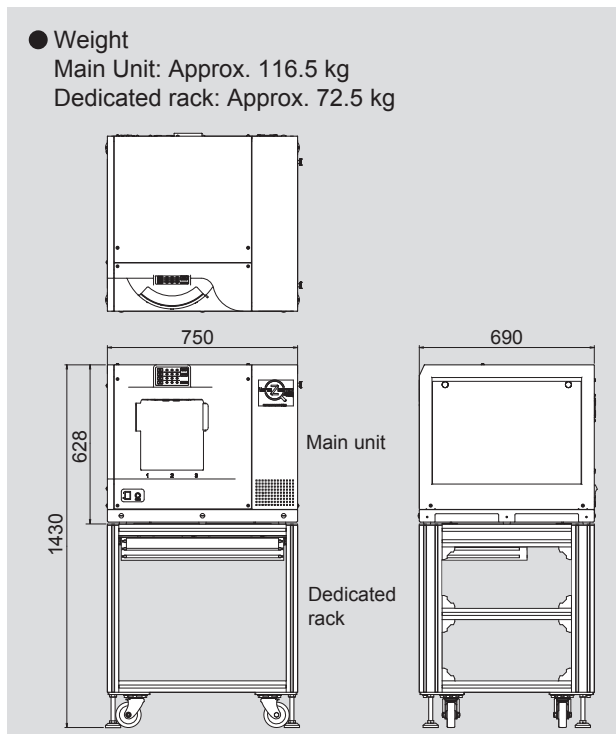

◀ Blue colored: in-focus area
Red colored: out-of-foucs area

Example of system configuration

NanoZoomer S360 C13220-01 + NDP image distribution server + NDP image distribution software NDP.serve3 + Network

Dimensional outlines (Unit: mm)

● Weight
Main Unit: Approx. 116.5 kg
Dedicated rack: Approx. 72.5 kg

750   690

628

1430

Main unit

Dedicated rack

Specifications

Product name		NanoZoomer S360
Part number		C13220-01
Scanning speed	20× mode (15 mm×15 mm)	Approx. 30 s
	40× mode (15 mm×15 mm)	Approx. 30 s
Throughput	20× mode (15 mm×15 mm)	More than 82 slides/h[*1]
	40× mode (15 mm×15 mm)	More than 82 slides/h[*1]
Objective lens		20× N.A. 0.75 User can select 20× or 40× mode at start of scanning
Compatible glass slides		26 mm×76 mm (Thickness 0.9 mm to 1.2 mm)
Slide loader	Standard size slide	360 slides (30 slides×12 cassettes)
Scanning resolution	20× mode	0.46 µm/pixel
	40× mode	0.23 µm/pixel
Focusing method		Pre-Focus map
Z-stack feature		Yes
Image compression		JPEG compression
Power supply		AC 100 V to AC 240 V
Power consumption (Scanner only)		Approx. 200 VA

*1 For the case of 5 focus points

* Excluding levelling feet.

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