

3DHISTECH

THE DIGITAL PATHOLOGY COMPANY

TRANSITION TO DIGITAL PATHOLOGY

Pannoramic 1000

Introducing the fastest whole slide scanner in the market, a high-throughput solution for clinical routine diagnosis

Pannoramic 1000 from 3DHISTECH, the ultimate solution for large-volume whole-slide scanning.

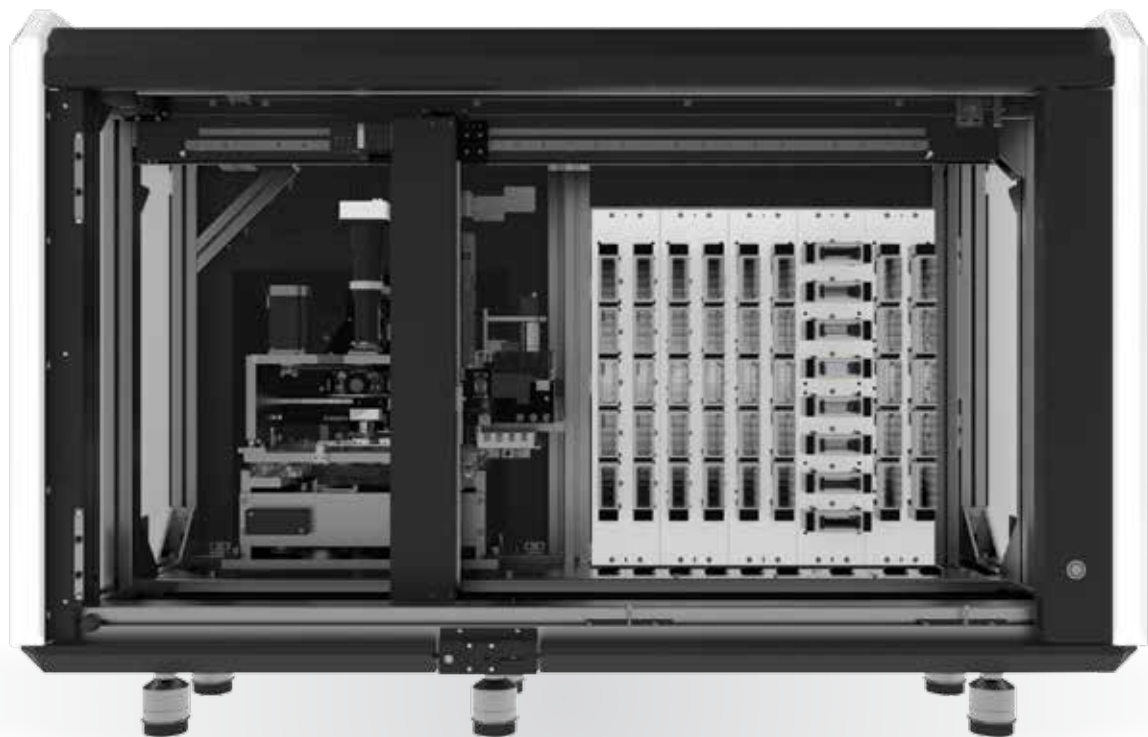
Unprecedented slide loader capacity, ultra-high speed scanning.



*Capacity
High throughput
Flexibility*

Pannoramic 1000, the newest member of 3DHISTECH's Pannoramic scanners family, is a high-end, extra fast and super efficient slide digitalization system.

Its unprecedented 1000-slide capacity, its unparalleled throughput at 100 slides per hour and its robust design offers a reliable solution for high-volume whole-slide imaging for large routine pathology labs.



Thanks to its unprecedented capacity and unparalleled speed, Pannoramic P1000 offers automated, "walk away" slide scanning for a whole day's scanning needs, speeding up the workflow and freeing up valuable lab resources for other important tasks.

Key Features

Highest capacity

- Largest capacity whole slide scanner on the market: 1000 slides
- Fully automatic loading and scanning

Shortest scanning time

- Fastest whole slide scanner on the market: 100 slides per hour, 2000 slides per day (40x resolution, 15x15 mm, 0.25 µm/pixel, single layer)

Innovative hardware design

- Antivibration granite base for maximum stability and image quality
- Dual slide stage
- Robust construction for heavy duty use
- Easy-maintenance robotized loading

Most efficient slide logistics

- Double width slide (mega slide) support
- Priority slide handling
- Magazine panels compatible with any type of stainer slide cassettes (up to 5 per device)
- Rapid loading
- Flexible slide processing, scanning in arbitrary order
- Parallel operation: slide loading and preview in parallel with scanning

High-resolution imaging

- Three separate objectives exchangeable automatically during scanning
- Water immersion (optional)
- Oil immersion (optional)
- Multilayer (Z-stack) scanning (optional)
- Extended Focus scanning (optional)
- Multiple scanning profiles, auto selection
- 1D and 2D barcode reading and parsing
- Multiple image compression
- Multiple color profile and schemes
- Multiple image compensation
- Automated tissue detection and automated coverslip detection

Auto scan quality check

Touch-enabled, easy-to-use new software user interface

Integrated slide server and storage (optional)

Key Characteristics

- ✔ Slide capacity: 1000 slides
- ✔ Supported slides: normal and double width slides
- ✔ Supported slide racks, magazines, cassettes:
Dako, Sakura, Thermo Fisher, Roche, Leica, Winlab, etc.
- ✔ Scanning speed: 30 sec at 40x, 15x15 mm
- ✔ Image acquisition camera: 12 MP sensor
- ✔ Microscope objectives:
 - Carl Zeiss, NA 0.8, Plan-Apochromat, 0.25 $\mu\text{m}/\text{pixel}$
 - Carl Zeiss, NA 0.95, Plan-Apochromat, 0.12 $\mu\text{m}/\text{pixel}$
 - Carl Zeiss, NA 1.2, Plan-Apochromat, 0.12 $\mu\text{m}/\text{pixel}$
- ✔ Digital slide format: MRXS with conversion to several other formats
- ✔ Scan method: area scanning with continuous stage movement and flash illumination
- ✔ Dimensions (W x D x H in centimeters): 154 x 98 x 90 (base unit)
- ✔ Weight (kg): 200 (base unit)

Production and
development by



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