

3DHISTECH

THE DIGITAL PATHOLOGY COMPANY

PANNORAMIC[®] 1000

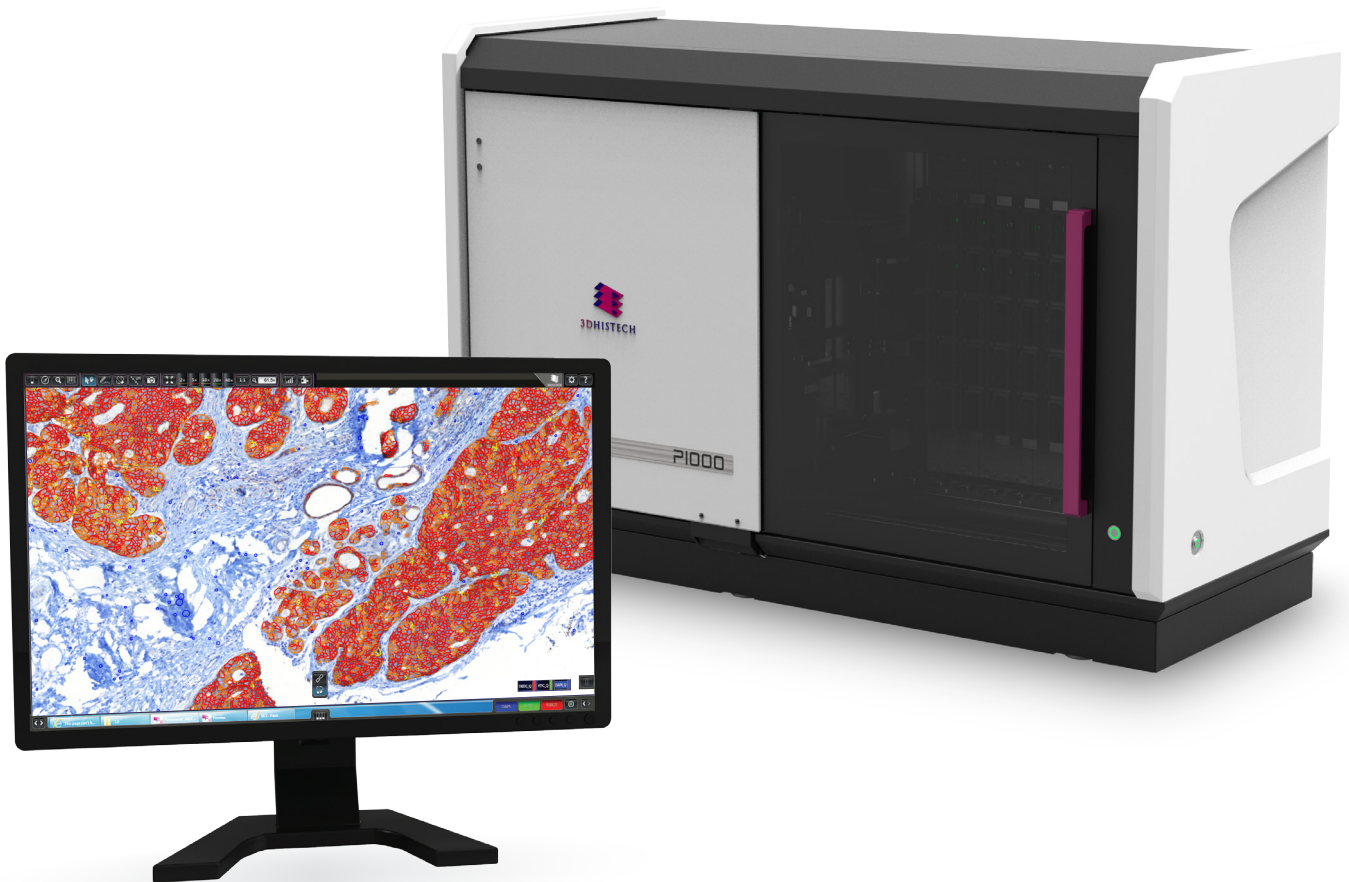
Introducing the ultimate whole-slide scanning solution with market leading performance



Unprecedented capacity
Highest throughput
Flexibility

In large pathology laboratories, the sheer volume of cases require reliable and automated high-throughput slide scanning solutions while maintaining image quality and flexibility.

PANNORAMIC® 1000, the latest member of 3DHISTECH's PANNORAMIC® scanner family, is a high-end, extra fast and super efficient slide digitalization system. Its 1000-slide capacity, up-to-100-slides/hour throughput and robust design offer a reliable solution for high-volume whole-slide imaging.



Thanks to its unprecedented capacity and unparalleled speed, PANNORAMIC® 1000 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: up to 1000 slides
- Fully automatic loading and scanning

Shortest scanning time

- Fastest whole slide scanner on the market: up to 100 slides per hour, 2000 slides per day (20x objective / 40x optical equivalent magnification, 0.25 μm /pixel, 7500 μm focus point distance, 15x15 mm average sample size, two sets of prefilled magazines, single layer local scanning)

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
- Mixed (single and double width) batch scanning
- Emergency magazine handling
- Magazine panels supporting slide magazines from a range of stainer devices (up to 5 per device) – default magazine is Sakura
- Rapid loading
- Flexible slide processing, scanning in arbitrary order
- Parallel operation: slide loading and preview in parallel with scanning
- Batch preview function
- Temporary scanning profile option

High-resolution imaging

- Two separate objectives exchangeable automatically during scanning
- Water immersion (optional – coming soon)
- Oil immersion (optional – coming soon)
- 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

Advanced operational information management with scanning history

New, flexible, touch-ready, easy-to-use software user interface

Integrated slide server with expandable storage



KEY CHARACTERISTICS

Slide capacity: up to 1000 slides

Supported slides: normal and double width slides

Number of magazine panels: 5 (10 slide magazines with 20 slides each)

Image acquisition camera: 12 MP sensor

Microscope objectives:

- Carl Zeiss, NA 0.8, Plan-Apochromat, 0.25 μm /pixel
- Carl Zeiss, NA 0.95, Plan-Apochromat, 0.12 μm /pixel
- Carl Zeiss, NA 1.2, Plan-Apochromat, 0.12 μm /pixel (coming soon)

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 100 x 91 (base unit only)

Weight (kg): 270 (base unit only)

The PANNORAMIC® 1000 has obtained market access clearance as an In Vitro Diagnostic (IVD) device in the European Union (EEA). The product has not been approved or cleared as a medical device by the U.S. Food and Drug Administration – for research use only.

Developed and produced by



WWW.3DHISTECH.COM

3DHISTECH LTD.
H-1141 Budapest, Öv u. 3., Hungary
E-mail: info@3dhitech.com
Phone: +36-1-467-5600
Fax: +36-1-445-0920



3dhitech.com/pannoram_1000