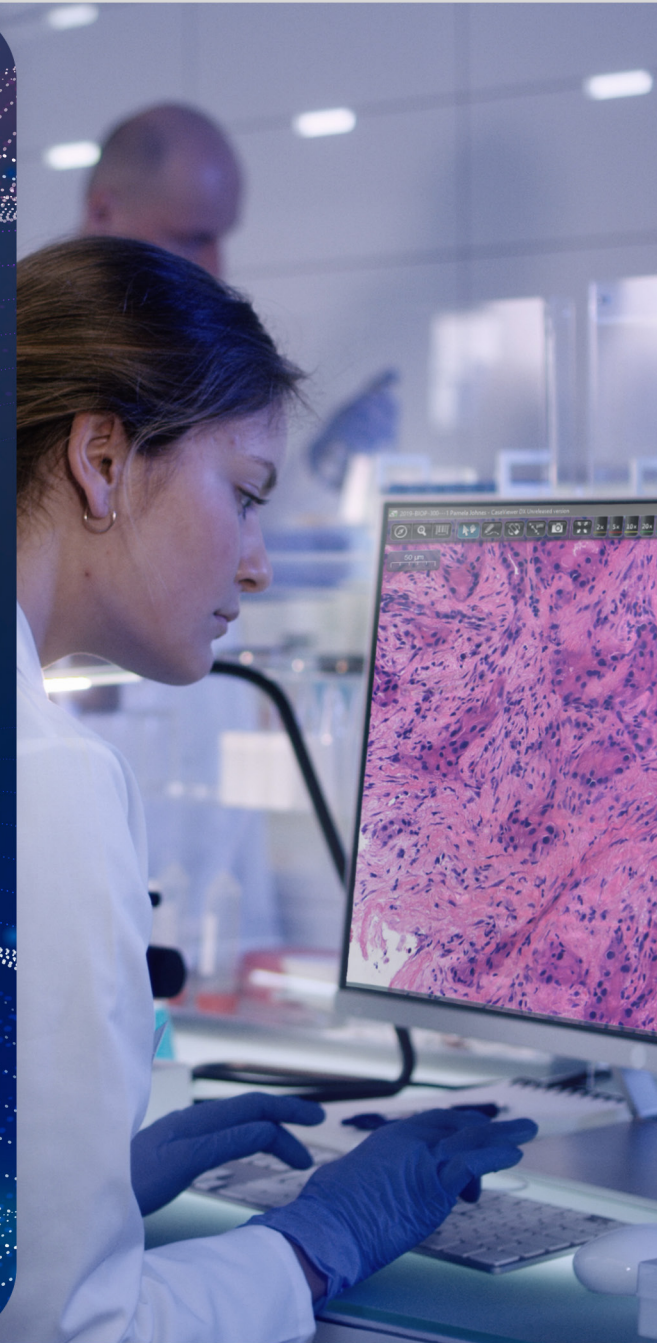




# PANNORAMIC® Pathology Diagnostic System

A new, integrated digital pathology solution from 3DHISTECH that puts focus on the case, and the pathologist in control.

*Next Generation Digital Pathology*

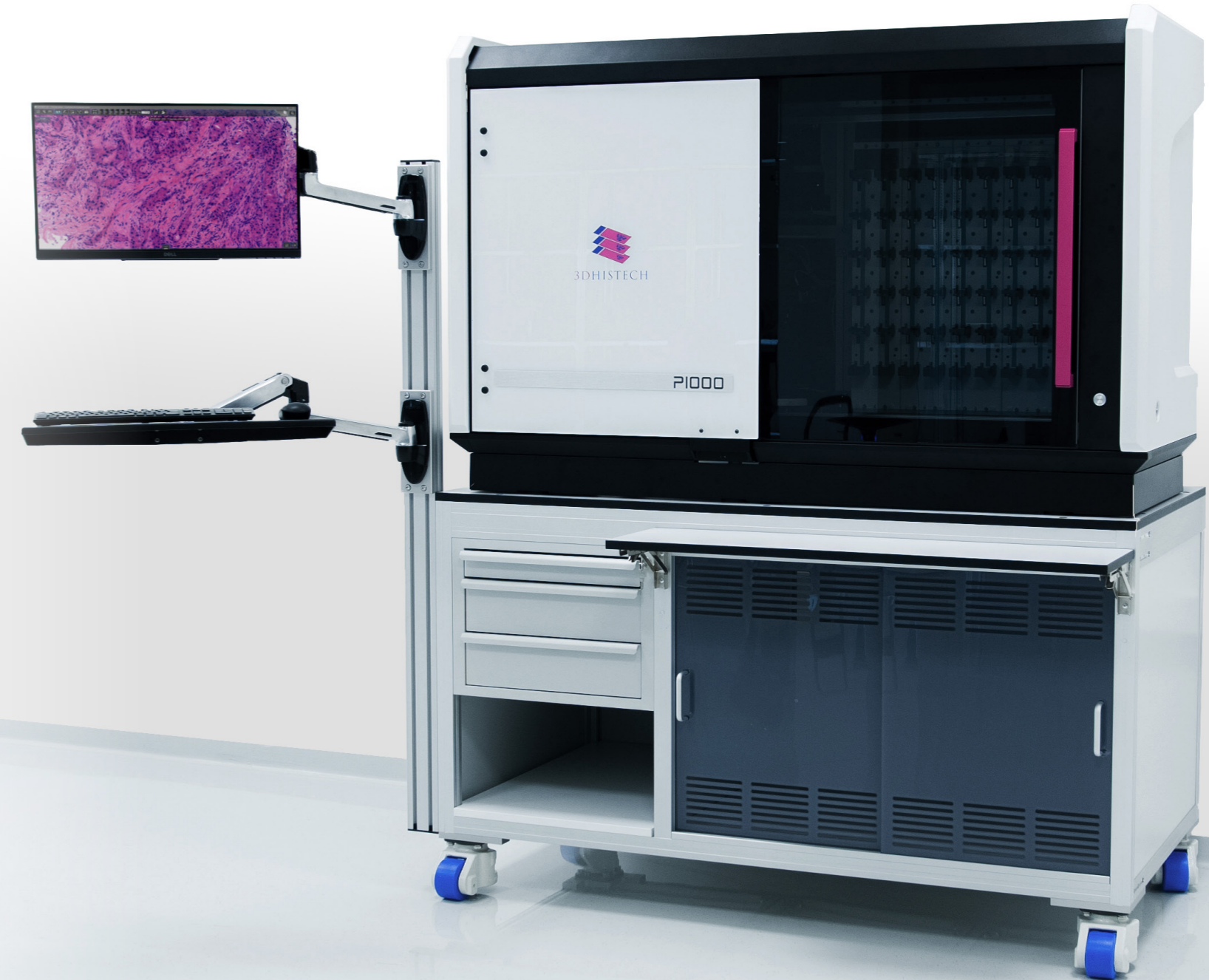


# Integrated PANNORAMIC® Pathology Diagnostic System

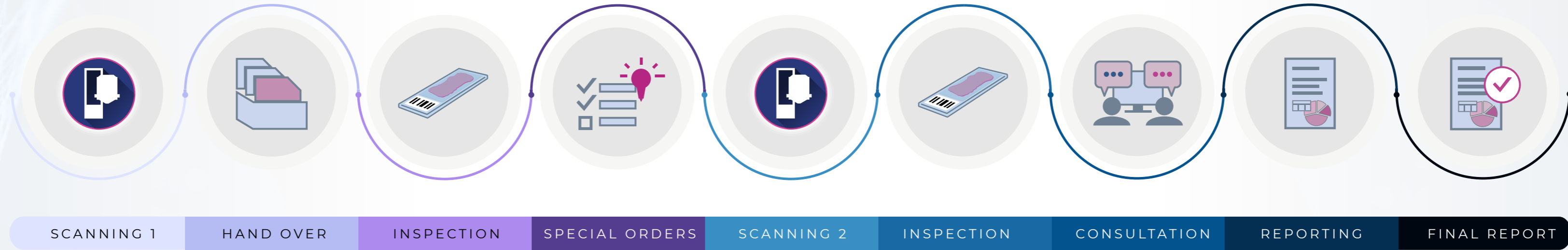
The pathological diagnosis is of more pivotal importance today than ever. In addition to creating a clinical picture, the pathological diagnosis may determine the therapy plan of a patient and helps the doctor to monitor the treatment process. **A new trend in pathology laboratories is digitalization which is the main requirement of modern laboratories. 3DHISTECH opens a new opportunity for their clients to improve their pathology workflow by using a new comprehensive diagnostic solution designed by one vendor.**

The Pathology Diagnostic System Package not only includes digital slide scanners with **excellent image quality** but also provides the Pathologist with **complete control over the workflow** by using the Case Manager Pathology Management System.

The next generation of our software and hardware solutions serves the needs of a wide range of laboratories from small to high-volume. Our exclusive focus on pathologists' aspect guarantees faster and more reliable results, ensuring the quality and compliance framework. As your trusted partner we support you in quality compliance and ensure that besides our current **IVDR-approved solutions**, all upcoming innovations are designed to be **IVDR-ready products**.



## Accelerate your process with a reliable digitalized workflow!



# Ensuring the privacy protection of medical data

The security of Personal Health Information and highly sensitive medical records is a serious area of risk everywhere. 3DHISTECH meets security requirements for pathology medical data all over the world.

## Some of the key preventive security controls:

- Access Control & Authentication
- Prohibited Multiple Access
- Prevention of Unauthorized Network & User Access
- Automatic Logout & Session Termination

**CentralLogService (CLS)** is 3DHISTECH's server application for the remote monitoring and control of all clients for enhanced cyber security.

# Security Manager - Central Log Service Application



## Remote control over all installed systems and registered users!



Cybersecurity



Accessible by trusted users only



IT Supervisor is able to follow the status of scanning process and the user activity



Maintenance

# CaseManager™ DX - (CM)



CaseManager™ DX offers a **comprehensive system from digitization through pathologist assignment, primary inspection, additional orders, and consultation to image analysis.**

- Sending special examination request to the laboratory information system
- Multi-purpose digital pathology workflow support
- With Focus View, all details of a case are displayed on a single screen
- DICOM file handling format supported
- Slide archiving option to a PACS server
- Server Based Scanning Mode

Case Sharing



Case Forwarding



Case Priority



Case Report



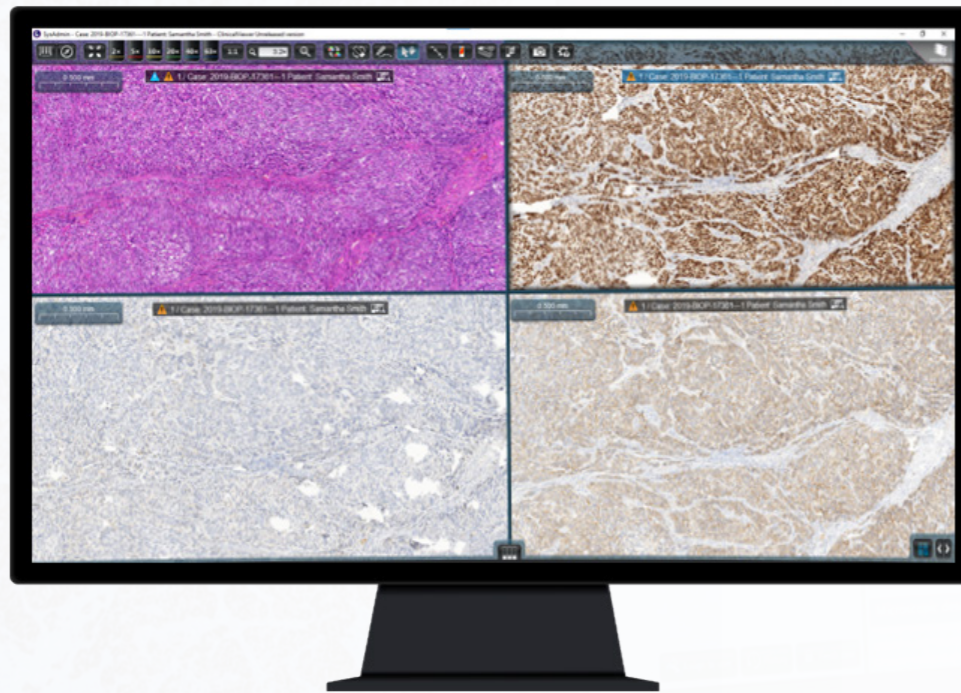
Case Archiving



## CM - ClinicalViewer™

ClinicalViewer™ is a digital microscopy application **designed for supporting the histopathological diagnostic workflow and the microscope examination process.**

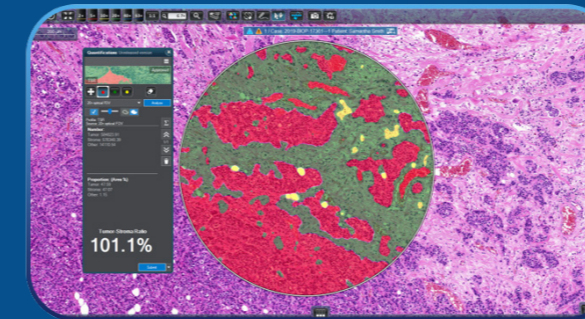
- Quick annotation
- Teleconsultation support
- Multi-view, single click slide opening
- IVD approved Image Analysis applications
- Annotation log
- Tracking history



## CM - Diagnostic Applications™

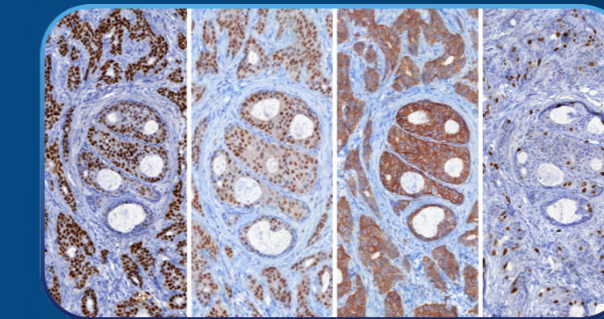
Diagnostic Applications™ is an image analysis platform designed as a decision support tool for fast, field of view-based, automated quantification.

With the help of this computer-aided image analysis tool, accurate, fast, and high-quality analytical results can be generated. Thanks to the integration of CaseManager™ and Diagnostic Applications™, the measurement results, charts and masked images of the measurement area are automatically displayed in the appropriate pathology case on CaseManager's interface. The pathologist can easily attach the measurement results and images to the final report.



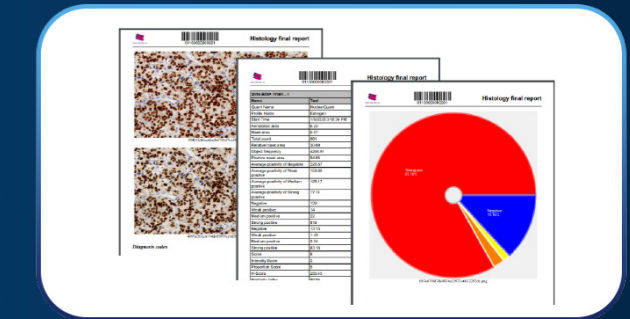
### HE

- Length, distance, area
- Region of interest
- Countig
- TSR tool



### IHC

- ER,PR,HER2
- Ki67
- And more (RUO and Integration)



### Result

- Measurement results
- Snapshots
- Piechart

## PANNORAMIC® 1000 DX

Thanks to its unprecedented capacity and unparalleled speed, PANNORAMIC® 1000 DX offers the fastest scanning on the market for high-volume scanning tasks. IVDR ready scanner.

- » **Capacity:** up to 1200 slides
- » **Speed:** 25 sec/slide\*
- » **Throughput:** up to 90 slides/hour\*
- » **Image capture magnification:** 40x / 80x
- » **Supported racks:** 3DH, Sakura, Leica
- » **Brightfield** scanning
- » **Flash** scanning technology
- » **Objective type:** Plan-Apochromat 20x (NA 0.8) and 40x (NA 0.95) with optional water immersion objective C-Apochromat W 40x (NA 1.2)
- » **Flexibility:** optional immersion objective, arbitrary-order scanning, single and double-width slide scanning
- » **Automatic loading**
- » **AI-based automated tissue detection**
- » **Fully automatized and customizable scanning operation (server based)**

## P1000 DX



\*20x objective/40x optical equivalent magnification, 0.24 µm / pixel, 7500 µm focus point distance, 15x15 mm average sample size, single layer local scanning (scanning time only)

## PANNORAMIC® 480 DX

The new PANNORAMIC® 480 DX offers a versatile, high-quality, and high-speed scanning solution for high-volume scanning.

- » **Capacity:** up to 480 slides
- » **Speed:** 25 sec/slide\*
- » **Throughput:** up to 90 slides/hour\*
- » **Image capture magnification:** 40x / 80x
- » **Supported racks:** 3DH, Sakura, Leica
- » **Brightfield** scanning
- » **Flash** scanning technology
- » **Objective type:** Plan-Apochromat 20x (NA 0.8) and 40x (NA 0.95) with optional water immersion objective C-Apochromat W 40x (NA 1.2)
- » **Flexibility:** optional immersion objective, arbitrary-order scanning, single and double-width slide scanning
- » **Automatic loading**
- » **AI-based automated tissue detection**
- » **Fully automatized and customizable scanning operation (server based)**

## P480 DX



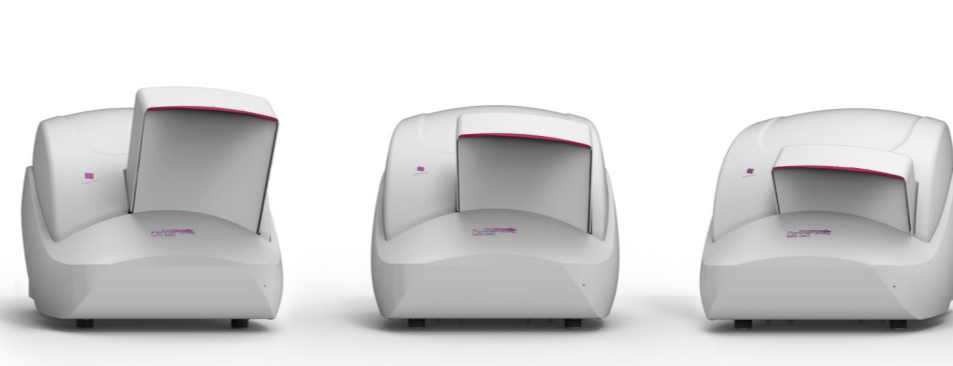
\*20x objective / 40x optical equivalent magnification, 7500 µm focus point distance, 15x15 mm average sample size, single layer local scanning (scanning time only)

## PANNORAMIC® 250 Flash III DX (upcoming P150 DX and P75 DX)

Thanks to its award-winning scanning technology, the IVDR-ready PANNORAMIC® 250 Flash III DX scanner offers a versatile, high-quality and high-speed scanning solution for high-volume scanning tasks. Fitting to smaller laboratories' needs we serve two smaller upcoming versions of this scanner.

- » **Capacity:** 300, 150, 75 slides
- » **Speed:** 30 sec/slide\*
- » **Throughput:** up to 70 slides/hour\*
- » **Image capture magnification:** 40x / 80x
- » **Supported racks:** 3DH
- » **Brightfield** and **optional fluorescence** scanning
- » **Flash** scanning technology in brightfield mode
- » **Objective type:** 20x (NA 0.8) and 40x (NA 0.95)
- » **Automatic loading**
- » **AI-based automated tissue detection**
- » **Fully automatized and customizable scanning operation (server based)**

## P250 Flash III DX



\*20x objective / 40x optical equivalent magnification, 7500 µm focus point distance, 15x15 mm average sample size, single layer local scanning (scanning time only)

## PANNORAMIC® Flash MIDI DX

The PANNORAMIC Flash MIDI DX is an automatic digital slide scanner for the smallest laboratories. It is a remarkable feature set at an affordable price.

- » **Capacity:** 12
- » **Speed:** 35 sec/slide\*
- » **Throughput:** up to 50 slides/hour\*
- » **Image capture magnification:** 40x / 80x
- » **Supported racks:** 3DH
- » **Automatic loading**
- » **AI-based automated tissue detection**
- » **Fully automatized and customizable scanning operation (server based)**

## Flash MIDI DX



\*20x objective / 40x optical equivalent magnification, 7500 µm focus point distance, 15x15 mm average sample size, single layer local scanning (scanning time only)

## PANNORAMIC® Flash Desk DX

PANNORAMIC® Flash Desk DX is an affordable, entry-level slide scanner for clinical routine diagnosis, a simple and easy-to-use tool for teleconsultation and frozen section scanning. IVDR ready scanner.

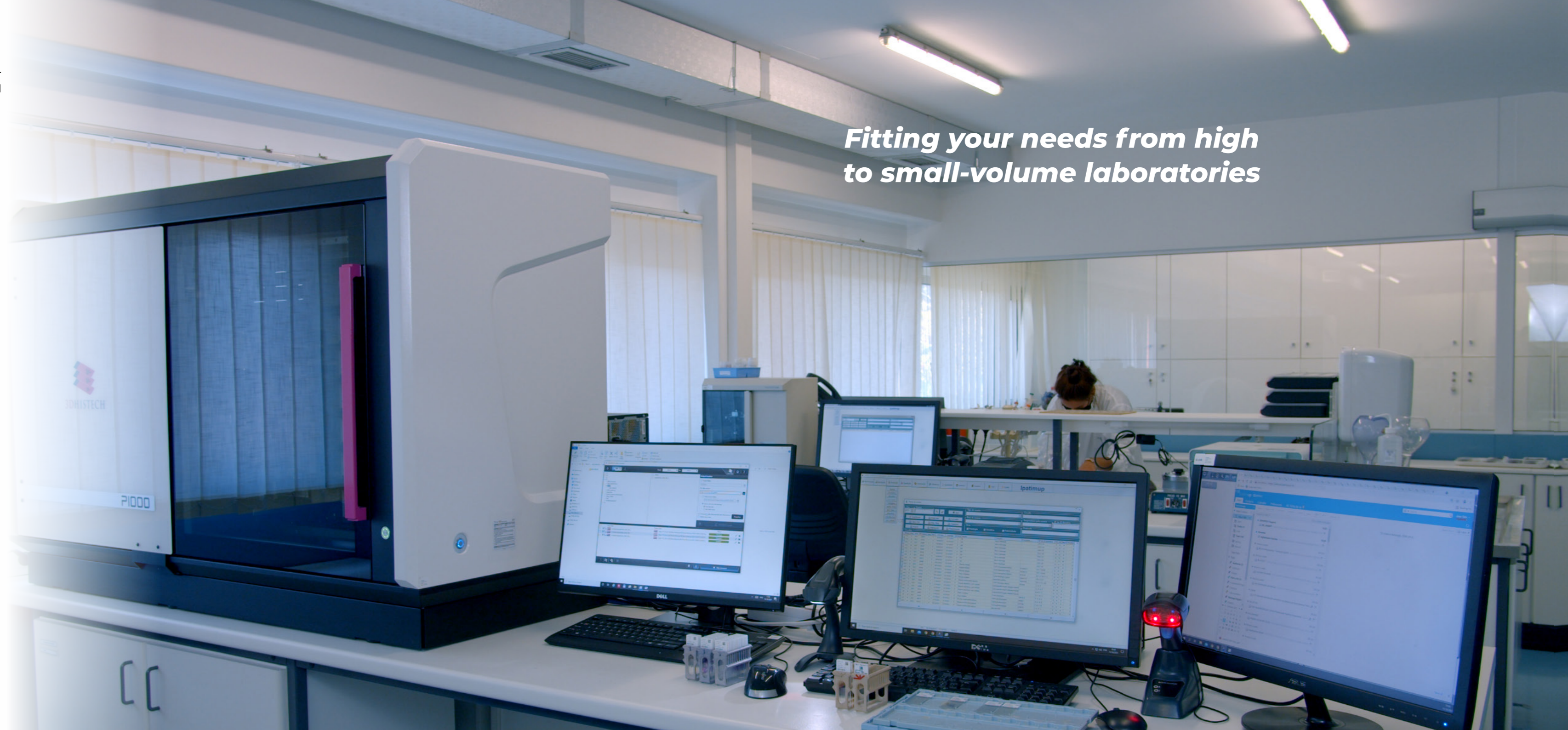
- » Capacity: 1 slides
- » Speed: 35 sec/slide\*
- » Throughput: up to 35 slides/hour\*
- » Image capture magnification: 40x or 80x
- » Supported racks: -
- » Brightfield scanning
- » Objective type: 20x (NA 0.8) and 40x (NA 0.95)
- » Compact design – small footprint
- » AI-based automated tissue detection
- » Fully automatized and customizable scanning operation (server based)

## Flash Desk DX



\*20x objective / 40x optical equivalent magnification, 7500 µm focus point distance, 15x15 mm average sample size, single layer local scanning (scanning time only)

*Fitting your needs from high  
to small-volume laboratories*





	<b>PANNORAMIC® 1000 DX</b>	<b>PANNORAMIC® 480 DX</b> (upcoming)	<b>PANNORAMIC® 250 Flash III DX, 150 (upcoming), 75</b> (upcoming)	<b>PANNORAMIC® Flash MIDI DX</b> (upcoming)	<b>PANNORAMIC® Flash Desk DX</b>
<b>Capacity</b>	up to 1200 slides	up to 480 slides	300, 150, 75	12	1
<b>Speed</b>	25 sec/slide	25 sec/slide	30 sec/slide	35 sec/slide	35 sec
<b>Throughput</b>	up to 90 slides/hour	up to 90 slides/hour	up to 70 slides/hour	up to 50 slides/hour	35 slides/hour
<b>Image capture magnification</b>	40x / 80x	40x / 80x	40x / 80x	40x / 80x	40x or 80x
<b>Supported racks</b>	3DH, Sakura, Leica	3DH, Sakura, Leica	3DH	3DH	-
<b>Brightfield scanning</b>	Yes	Yes	Yes	Yes	Yes
<b>Flash scanning</b>	Yes	Yes	Yes	Yes	Yes
<b>Doublewidth slide compatible</b>	Yes	Yes	No	No	Yes
<b>IVDD certification</b>	Yes	No	Yes, No, No	No	Yes
<b>Dimension in cm (W x D x H)</b>	154 x 90 x 100	120 x 90 x 100	67 x 74 x 58, 67 x 70 x 55, 67 x 69 x 55	67 x 47 x 60	38 x 31 x 25
<b>Weight in kg</b>	270	240	46	30	12

**CaseManager™** offers a comprehensive system from digitization through pathologist assignment, primary inspection, additional orders, and consultation to image analysis.

**ClinicalViewer™** is a digital microscopy application supporting the histopathological diagnostic workflow and the microscope examination process.

**Diagnostic Applications™** is a ROI based image analysis tool with IVD-approved image analysis for the breast panel (there are ER, PR, HER2 and pending Ki67 approvals, and more options to come). It contains flexible research use only solutions and integration capability.

Note that PANNORAMIC® slide scanners, the PANNORAMIC® Diagnostic Scanner Software and 3DHISTECH's Integrated Pathology Diagnostic System are available as a package.

Important information for USA: For research and education use only, not for use in diagnostic procedures. This product has not been approved or cleared as a medical device by the U.S. Food and Drug Administration.

Developed and produced by

[WWW.3DHISTECH.COM](http://WWW.3DHISTECH.COM)



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