

Advancing Cancer Diagnostics
Improving Lives



Expertise Defined,
Confidence Delivered

APERIO GT 450 DX

DIGITAL PATHOLOGY SCANNER



PROVEN TECHNOLOGY FOR DIAGNOSTIC EXCELLENCE

Fast scan and viewing speeds Scan 2x3
 Find faint stains
 PACS integration
 Fast turnaround time
 High resolution
 Limited rescans
Excellent image quality
 Integrated racks and work-flow Contrast
 Ease of use
 Leica optics
 DICOM/LIS compatible
 Recognized quality and innovation
 No tissue left behind Remote diagnosis
 Continuous loading

Proven technology for Pathologists

Exceed your expectations with excellent image quality, innovative technology and seamless integration – all driven towards faster turn around time and diagnostic accuracy for better patient care.



Aperio GT 450 DX illuminates tissue from both sides of the slide resulting in a 99.5% accurate tissue finder (H&E) that recognizes faintly-stained tissue while excluding:

- > Pen marks
- > Stain residue
- > Scratches
- > Dust

Aperio GT 450 DX Scanner applications:

- ✓ Primary diagnosis
- ✓ Multidisciplinary team meetings
- ✓ Case archiving

“I am really impressed with the sharpness and contrast of the images. It is definitely next-generation image quality.”

– W. Dean Wallace, MD

Aperio GT 450 DX utilizes a high performance, custom-made objective manufactured by Leica, the company that has engineered world class optics since 1849.



Auto QC **Fast TAT** High quality
 No shipping Fast-paced Proven productivity
Proven technology for Lab Managers

First-time scan success Continuous loading
 Be on time every time Easy to use Quick high volume scanning
 Streamlined workflow

Exceed your expectations with proven technology that rapidly delivers speed and image confidence.

- ! Assign priority cases.
- ✓ Automated image quality check and slide calibration during each scan.
- 🔄 No-touch continuous rack loading during scanning.
- 📦 450 slide capacity packed into small size.
- 🔍 Excellent image quality using Leica optics.



32 sec scan speed at 40x*.



81 slides per hour at 40x*.



Scan 120,000 slides per year operating the Aperio GT 450 DX for around 5 hours/day*.

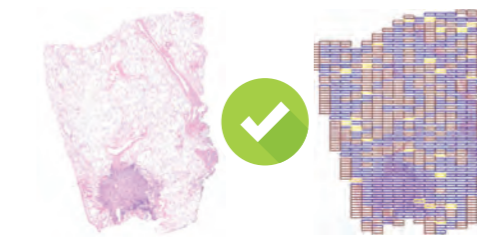
*15mm x 15mm scan area @ 40x; assumes 5 hr. scan time per day for 300 work days per year



Directly load racks from coverslipper to scanner.



Aperio GT 450 DX open face design allows you to continuously load racks while scanning is in progress to maximize productivity and TAT.



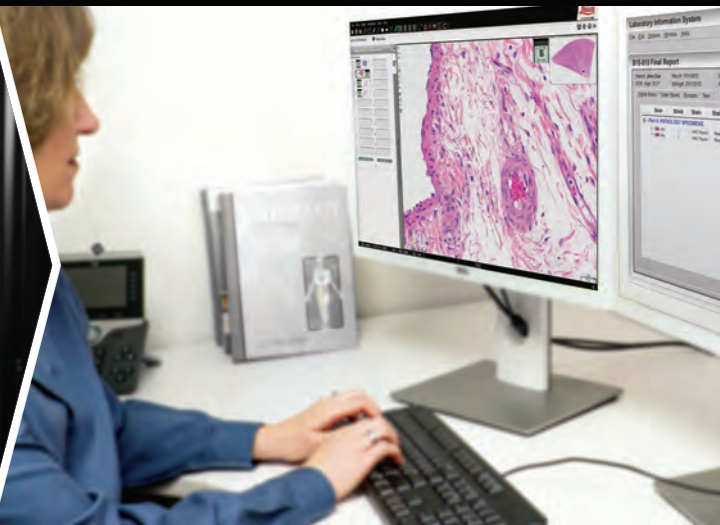
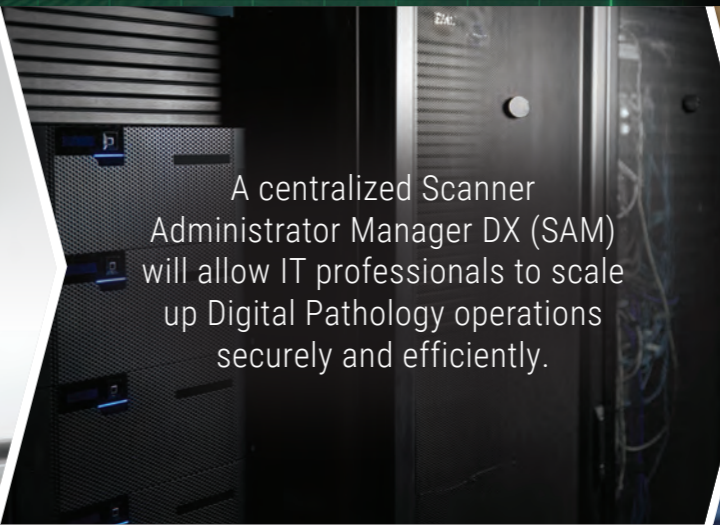
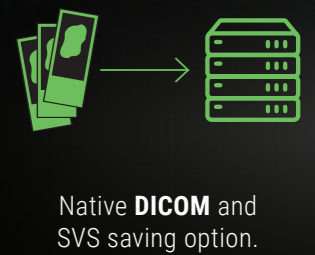
Featuring automatic image quality control, so you have image quality confidence before your scans reach the Pathologist.



Stats page allows you to view slides scanned/day/month/year, average scan area and average scan speed.

Native DICOM
High speed data transfer
Easy setup
Automated long-term archiving/retrieval
Security
Flexibility
Onsite or cloud storage
Proven technology for IT Professionals
Small WSI images
Remote monitoring
Interoperability
Secure handling of GDPR data
DICOM, LIS, VNA integration
Encryption
2-factor authentication
Store and forward

Exceed your expectations with proven IT architecture that delivers fast, secure and scalable results.



A centralized Scanner Administrator Manager DX (SAM) will allow IT professionals to scale up Digital Pathology operations securely and efficiently.



No more workstations needed. SAM DX server and software allow IT managers to set up and monitor Aperio GT 450 DX scanners via the network, including dashboard status views, PIN controls and log out times.



Pathology Lab



Aperio GT 450 DX Scanners.

IT Room



SAM DX server connected to multiple Aperio GT 450 DX Scanners.



DSR server stores images and runs Aperio eSlide Manager.

IT Manager's Office



SAM DX applications software connected to SAM DX server to set up and monitor scanners.



Aperio GT 450 DX is proven to rapidly deliver images with exceptional quality.

Aperio GT 450 DX Summary of Specifications

Maximum Slide Capacity	450
Rack capacity	15 racks of 30 slides, 15 racks of 20 slides
Racks Accepted: HistoCore SPECTRA Workstation (30-slide capacity) and Sakura Prisma Stainer and Coverslipper Rack (20-slide capacity)	Yes
Continuous rack loading while scanning	Yes
Priority rack scanning	Yes
Magnification	40x
Resolution	0.26 $\mu\text{m}/\text{pixel}$ at 40x
Scan speed (15mm x 15mm area at 40x)	32 sec
Sustained throughput (15mm x 15mm area at 40x)	81 slides/hr
Automated Image Quality Check	Yes
Slide sizes accepted	1-inch x 3-inch (2.54 cm x 7.62 cm)
Field of View Objective (FOV)	1mm
Bar code engines	1D and 2D symbology
Dimension	20.8" (52.83 cm) W x 28" (71.12cm) D x 19.5" (49.53 cm) H
Weight	140 lbs (63.5 kg)
Format	SVS or DICOM

The following monitors are supported for use with Aperio WebViewer DX:

Monitor Manufacturer	Monitor Model Number	Supported Settings
Dell	UP3017	Factory settings
Dell	U3223QE	Brightness set to 90
Barco N.V.	MDPC-8127	Factory settings
Dell	U3023E	Factory settings

Exceed your expectations with our 25 years of scanner technology innovations and expertise, including a dedicated, in-house team of application and field engineers, to help ensure your investment is safeguarded and guides you towards Diagnostic Excellence.



LEICA BIOSYSTEMS IS AN INTERNATIONAL COMPANY WITH A STRONG NETWORK OF WORLDWIDE CUSTOMER SERVICES

For detailed contact information on your nearest sales office or distributor please visit our website: [LeicaBiosystems.com](https://www.LeicaBiosystems.com)



danaher

Copyright © 2024 Leica Biosystems, a division of Leica Microsystems Inc. All Rights Reserved. LEICA and the Leica logo are registered trademarks of Leica Microsystems IR GmbH. Aperio, GT, and GT 450 are registered trademarks of the Leica Biosystems group of companies in the USA and optionally in other countries. Other logos, product and/or company names might be trademarks of their respective owners.

Leica Biosystems is a cancer diagnostics company and a global leader in workflow solutions. The company offers a comprehensive product range for each step in the pathology process, from sample preparation and staining to imaging and reporting. As the only company to own the full workflow from biopsy to diagnosis, Leica Biosystems is uniquely positioned to break down the barriers between each step. The company's mission of "Advancing Cancer Diagnostics, Improving Lives" is at the heart of its corporate culture.