

Advancing Cancer Diagnostics  
Improving Lives



# APERIO HALO AP

AI-POWERED  
IMAGE MANAGEMENT SOFTWARE

For In Vitro Diagnostic Use



# TRANSFORMING PATHOLOGY, TOGETHER

Adopting digital pathology is complex, but it doesn't have to be complicated. Leica Biosystems clarifies your path to digital transformation with a truly end-to-end, AI-powered ecosystem tailored for pathologists.

With 25+ years of expertise and thousands of implementations worldwide, our comprehensive digital pathology solutions deliver seamless workflow integration, empower pathologists, and future proof AI-driven diagnostics.



Aperio GT 450 DX and Aperio GT 180 DX are For In Vitro Diagnostic Use.  
All other products shown are For Research Use Only, Not For Use In Diagnostic Procedures.



## APERIO HALO AP A PLATFORM CREATED FOR PATHOLOGY

An AI-powered, pathologist-centric image management system, Aperio HALO AP is designed for efficient on-screen diagnostics. It unifies patient data, whole slide images, and AI-driven analytics into a single, intuitive interface.

Built for clinical workflows, Aperio HALO AP supports primary diagnosis, multidisciplinary team meetings, consultations, and clinical trials. Seamless integration with the Aperio AI Store gives pathologists direct access to a curated library of powerful algorithms from leading innovation partners to enhance analysis precision and workflow efficiency.

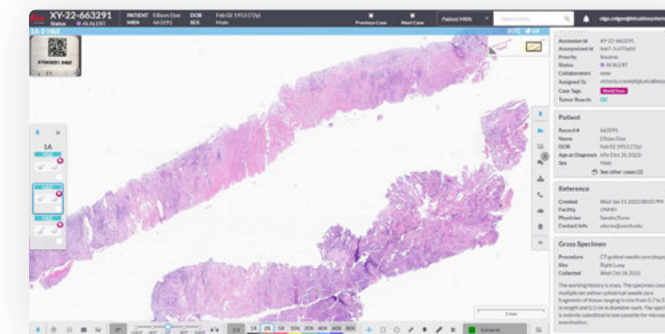
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# FROM SAMPLE TO SIGNATURE, SEAMLESSLY

Aperio HALO AP enhances diagnostic efficiency by organizing all pathology images and metadata, plus delivering flexible options for worklist management. The intuitive case viewer consolidates digital slides, quantitative analysis, synoptic and gross reports, and historical case data, providing clinicians with a comprehensive, single-point access to all relevant information for faster, more informed decision-making.

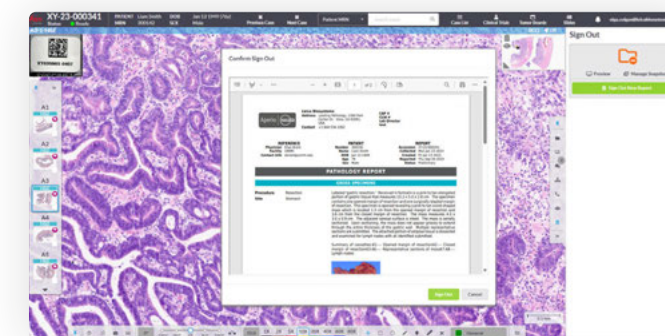
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## ON-SCREEN DIAGNOSIS

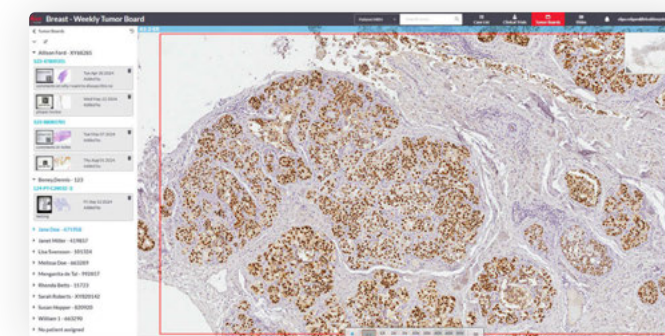
With all your slide images and case information in a single application that you can access from anywhere, you'll have the flexibility you need to provide the best patient care possible.

Increase the efficiency of your diagnoses by reviewing slides the moment they are available for sign-out. Request second opinions, levels, and additional studies with the click of a mouse, saving on time and eliminating logistical expenses.



## INTEGRATED REPORTING

Clinicians can create and customize synoptic reports, whether adhering to standardized protocols or developing proprietary templates. These reports are seamlessly displayed alongside case images, enabling a more holistic and efficient review of pathology data.



## MULTIDISCIPLINARY TEAM MEETINGS

Modernize MDT and tumour board preparation by efficiently structuring case reviews, annotations, and case notes within Aperio HALO AP, where you can instantly navigate to histological regions of interest and notes with a single click.

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# THE POWER OF CONNECTED PATHOLOGY

Aperio HALO AP incorporates a range of tools to enable real-time, secure sharing of slides with internal and external colleagues. Whether reviewing complex cases, seeking second opinions, or contributing to multi-disciplinary discussions, straightforward and scalable digital slide sharing ensures that critical insights are never delayed. Eliminate the time, cost, and risk associated with traditional pathology workflows that are dependent on physical slide shipping.

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## CASE CONFERENCING

Built-in Case Conferencing brings slide discussions to a whole new level. Incorporating the benefits of simultaneous review, traditionally achieved with a multi-head microscope, with the convenience and flexibility of digital pathology, Case Conferencing is the ideal solution for live consultations and teaching.

Share presenter views, annotations, and comments in real time with easy access to conferencing tools, and transfer control with one click for seamless navigation and collaboration.

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## CONSULTATIONS

Avoid delays with traditional slide shipping and request second opinions, or internal or external consultations, with the click of a mouse. Choose to deidentify or fully anonymize cases with external consultants to ensure all patient-sensitive information remains secure and protected.



# INTEGRATE SEAMLESSLY

Aperio HALO AP works with your laboratory information system instead of replacing it. Access the right data at the right time by integrating with LIS/LIMS systems, eliminating the need to move between platforms. Open, API-first technology supports bi-directional connectivity to any application.

## CUSTOMIZED AND SECURE DEPLOYMENTS

Flexible Deployment Options – Secure cloud or on-premises installations that integrate seamlessly with your existing LIS/LIMS systems.

DICOM Transfer Module – Interoperability with DICOM-compatible scanners and PACS/VNA systems for enterprise adoption.

Deep Archive Module – Automatic WSI archiving via AWS S3/Glacier tiers for long-term storage cost savings.

## INTEGRATED PATHOLOGY

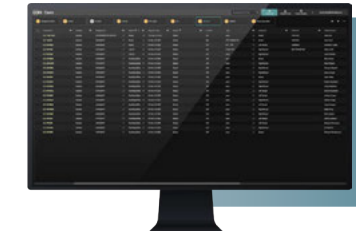
1

Image whole slides & scan barcode



4

View patient and case data in LIS | LIMS and Aperio HALO AP



2

Aperio HALO AP assembles case using barcode and LIS | LIMS data



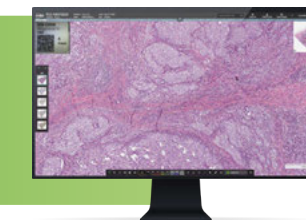
5

Analyze slides, incorporate AI decision-support, and diagnose



3

View case images in Aperio HALO AP



6

Push results to Pathology Report or LIS | LIMS



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# AI EMPOWERING PATHOLOGISTS. ADVANCING CARE.

Discover, compare, and utilize advanced AI tools from leading providers in Aperio AI Store, purpose-built for digital pathology, within a connected, secure, and growing ecosystem.

## APERIO AI STORE SEAMLESS AI – ONE VIEWER, ONE INTERFACE, UNLIMITED TOOLS

Aperio AI Store, exclusively available in Aperio HALO AP, provides pathologists with a curated menu of powerful AI tools developed by leading innovation partners, seamlessly embedded in a single interface. Designed to enhance accuracy, reduce turnaround times, and streamline workflows, Aperio AI Store serves as the gateway to the most innovative analytics in digital pathology.

Perform and review quantitative analysis anytime, anywhere, and view results in the Aperio HALO AP browser-based interface

Leverage AI-based algorithms in your slide review to augment your insights with reproducible, quantitative analysis outputs

Complement your expertise with the right tool for your work - developed by leading AI analysis partners, curated and trusted by Leica Biosystems



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## DIGITAL PATHOLOGY FUTURE READY, TODAY

Artificial Intelligence isn't the future – it's your present advantage.  
Our ecosystem is AI-ready from day one, enabling you to confidently  
scale into AI-powered workflows and diagnostics without disruption.

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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)



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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.