

Accelerate Your Journey
Imagine The Possibilities



APERIO HALO AP

AI-POWERED
IMAGE MANAGEMENT
SOFTWARE

For Research Use Only. Not For Use In Diagnostic Procedures.

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 insights.



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APERIO HALO AP

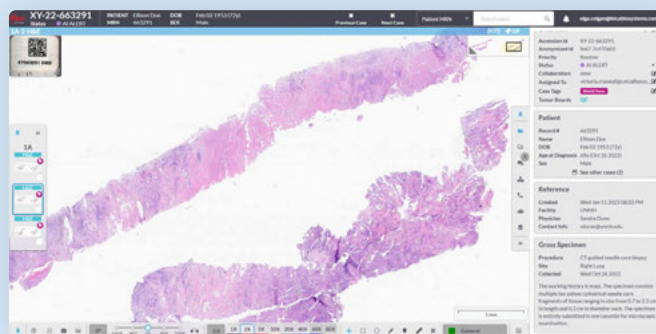
A PLATFORM CREATED FOR PATHOLOGY

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

With in-built intuitive workflows, Aperio HALO AP streamlines slide review, enables efficient collaboration, and supports 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.

SIMPLIFYING DIGITAL PATHOLOGY. EMPOWERING PRECISION.

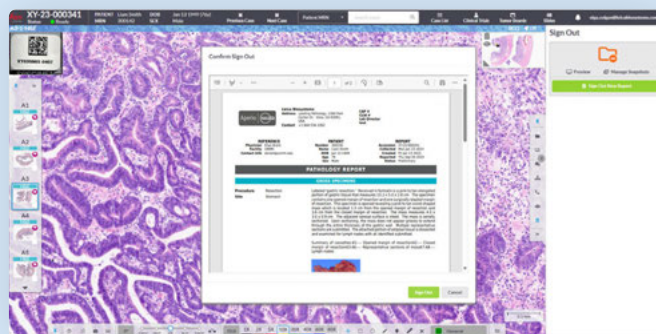
Aperio HALO AP enhances efficiency by organizing all pathology images and metadata, while delivering flexible options for worklist management. The intuitive case viewer consolidates digital slides, quantitative analysis, synoptic and gross reports, and historical case data, providing a comprehensive,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



ON-SCREEN REVIEW

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 insights possible.

Increase efficiency by reviewing slides the moment they are available. Request levels, collaboration, and additional studies with the click of a mouse, saving on time and eliminating logistical expenses of glass slide shipping.



INTEGRATED REPORTING

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



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 or seeking additional input, 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.



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 remote collaboration 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.

EXTERNAL COLLABORATION

Avoid delays with traditional slide shipping and request internal or external collaboration, with the click of a mouse. Choose to de-identify or fully anonymize cases with external colleagues to ensure all 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.



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INTEGRATED PATHOLOGY

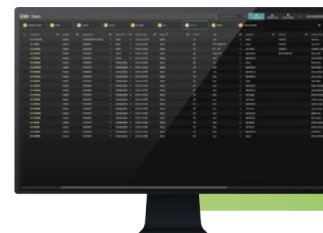
1

Image whole slides and scan barcode



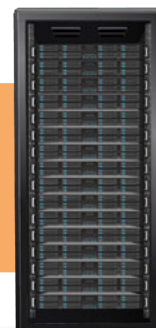
4

View case data in LIS | LIMS and Aperio HALO AP



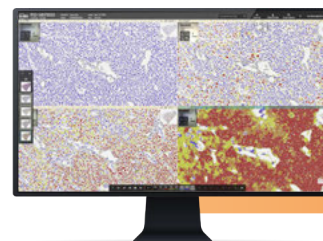
2

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



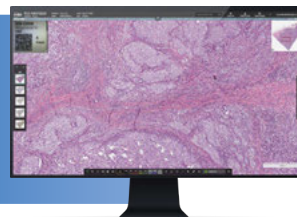
5

Analyze slides and incorporate AI results



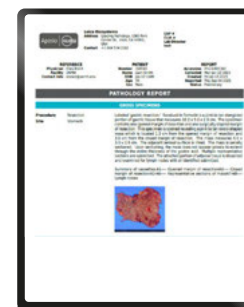
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View case images in Aperio HALO AP



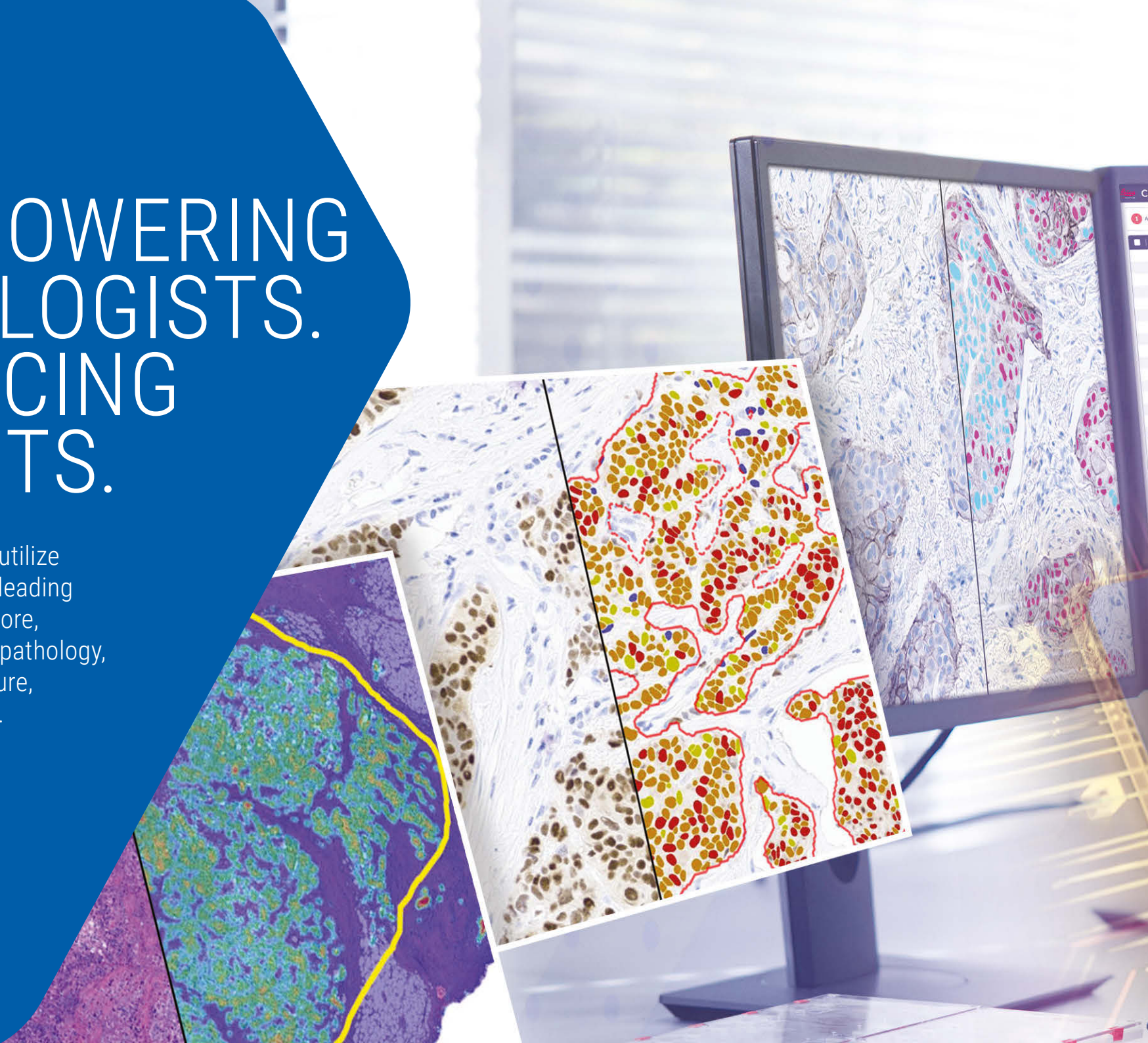
6

Push results to reports or LIS | LIMS



AI EMPOWERING PATHOLOGISTS. ADVANCING INSIGHTS.

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 research 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.

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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 insights 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



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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.