D I G I T A L P A T H O L O G Y

APERIO CS5 DX
SLIDE SCANNER

COMPACT VERSATILITY FOR CONFIDENT PATHOLOGY

For In Vitro Diagnostic Use

Advancing Cancer Diagnostics
Improving Lives

Leica
BIOSYSTEMS

SCAN, DIGITIZE, AND SHARE WITH CONFIDENCE

The Aperio CS5 DX scanner's rich feature set delivers full control to scan even your most challenging samples, all contained in a compact design to fit on a standard laboratory workbench.

With capacity for 1x3 or 2x3 slides, DICOM or SVS output, Z-stacking, and 20X or 40x magnification capabilities, the Aperio CS5 DX consistently delivers diagnostic quality digital pathology in an intuitive design.

From capturing large, whole-mount sections to rapidly digitizing difficult cases to share with off-site specialists, the Aperio CS5 DX integrates seamlessly to augment and accelerate diagnostic workflows.

Easily load and scan up to five 1x3 inch slides or two 2x3 inch slides.

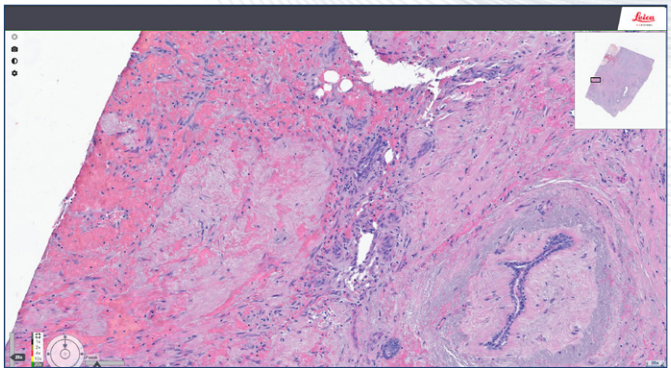
Precision Scanning

The Aperio CS5 DX delivers precision scanning with advanced optics and intelligent automation, in under a minute at 20x magnification, delivering rapid, high-resolution images without compromising quality.

Trusted Connectivity

Stay connected and collaborate effortlessly, whether it's your own lab or across the globe, with secure IVDR cybersecurity standards powered by Leica Biosystems proven technology for results you can trust.

Slides are available in 50 seconds (20 x 15 mm x 15 mm).


Review difficult cases with peers or collaborate globally.

Seamless Digital Workflow

Effortlessly transform glass slides into standardized digital formats like DICOM and SVS with the Aperio CS5 DX. Its innovative technology and intuitive interface simplify every step, while ensuring compatibility with your existing systems.

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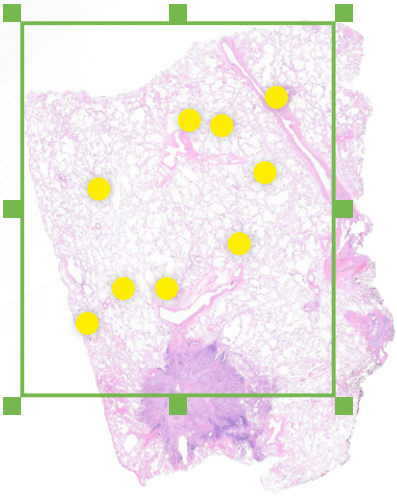
PREMIUM PERFORMANCE FOR EVERYDAY DIAGNOSTICS

Advanced features streamline complex cases, reducing turnaround time while maintaining exceptional image quality—empowering pathologists with precision and efficiency.

- **Manual Scanning:** Full control to set focus points, scan region, and focal planes to deliver excellent quality even for the most challenging slides.

- **1x3 and 2x3 scanning:** Flexibility to scan standard slides or large specimens with precision and quality on a single system.

- **Interoperability that works:** SVS and DICOM file format output options lets you integrate seamlessly with existing infrastructure and adhere to industry standards.

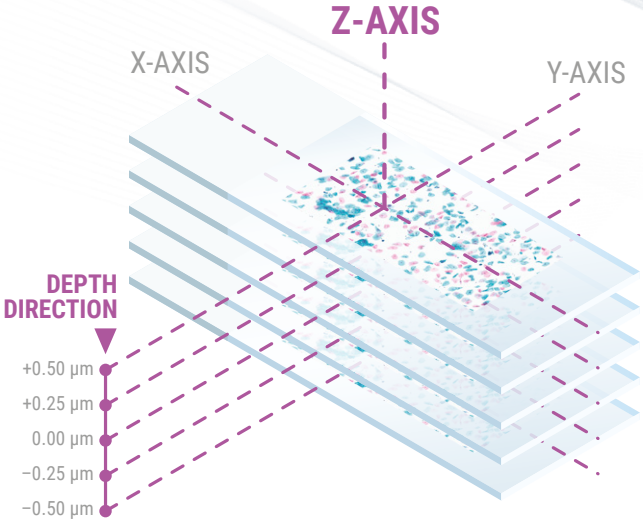


Valuable for your workflow and essential for high-quality results

Take control of image quality with Manual Scan. Easily adjust scan settings and re-scan slides without removing them from the scanner, ensuring excellent image quality when automated scan results aren't enough.

DICOM* with 20x, 40x and Z-Stack

Available alongside .svs, DICOM provides image clarity, improved collaboration, and a streamlined workflow, with 20x and 40x magnification options for detailed sample views and Z-Stacking to review slides at varied heights.



The Aperio CS5 DX delivers the trusted quality of Aperio scanners, bringing premium performance to everyday diagnostics

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Aperio CS5 DX scanner summary of specifications

- Scanning method: Line scanning (US Patent 6,711,283)
- Objective lens: Olympus UPLXAPO, 20x, 0.80NA, 0.6 mm WD, 9 mm focal, 26.5FN (40x scanning with 2x optical magnification changer)
- Scan Success Rate: 98% 1st time
- Dimensions (HxWxD): 47 cm (18.5 inches) 36.7 cm (14.5 inches) 49 cm (19.3 inches) Weight: 31.5 kg (69lbs)
- 1 – 5 slide tray for 1x3 inch slides and 2x3 inch slides
- Scan 1x3 inch slides in a tray that holds 5 slides or 2x3 inch slides in a tray that holds 2 slides
- Resolution of 20x: 0.50 µM/pixel 40x: 0.25 µM/pixel

*Optional features available. Aperio CS5 DX scanner may not be available in every country/region.

Aperio CS5 DX delivers a compact, cost-effective solution for low- to medium-volume labs, enabling seamless digitization of slides with exceptional image quality and minimal hands-on time. Its flexibility to handle both 1x3 and 2x3 slides, combined with manual scanning for complex cases, ensures adaptability across diverse workflows.

By integrating Aperio CS5 DX into a Hub-and-Spoke model, smaller labs can efficiently digitize slides and share them with centralized hubs for expert review, accelerating turnaround times, improving collaboration, and optimizing resource utilization across networks

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

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Leica Biosystems is a global leader in workflow solutions and automation. As the only company to own the workflow from biopsy to diagnosis, we are uniquely positioned to break down the barriers between each of these steps. Our mission of "Advancing Cancer Diagnostics, Improving Lives" is at the heart of our corporate culture. Our easy-to-use and consistently reliable offerings help improve workflow efficiency and diagnostic confidence. The company is represented in over 100 countries. It has manufacturing facilities in 9 countries, sales and service organizations in 19 countries, and an international network of dealers. The company is headquartered in Nussloch, Germany. Visit LeicaBiosystems.com for more information.

250762 Rev B • 12/2025