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

APERIO CS5
SLIDE SCANNER

COMPACT VERSATILITY FOR CONFIDENT RESEARCH

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

Accelerate Your Journey
Imagine The Possibilities

Leica
BIOSYSTEMS

SCAN, DIGITIZE, AND SHARE WITH CONFIDENCE

The Aperio CS5 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 scanner consistently delivers 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 scanner integrates seamlessly to augment and accelerate workflows.

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

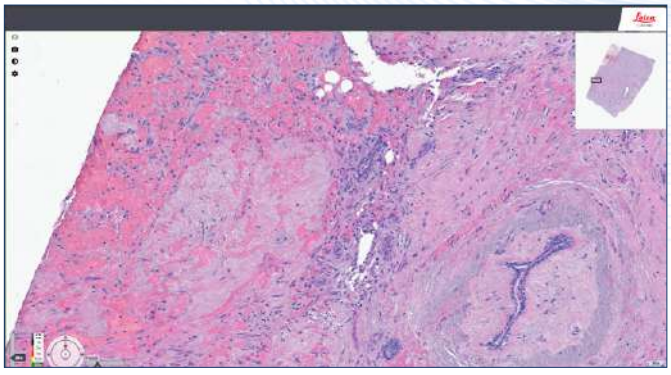
Precision Scanning

The Aperio CS5 scanner 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 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 scanner. Its innovative technology and intuitive interface simplify every step, while ensuring compatibility with your existing systems.

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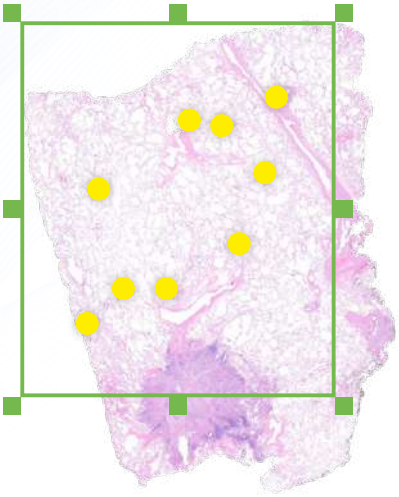
PREMIUM PERFORMANCE FOR EVERYDAY RESEARCH

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.

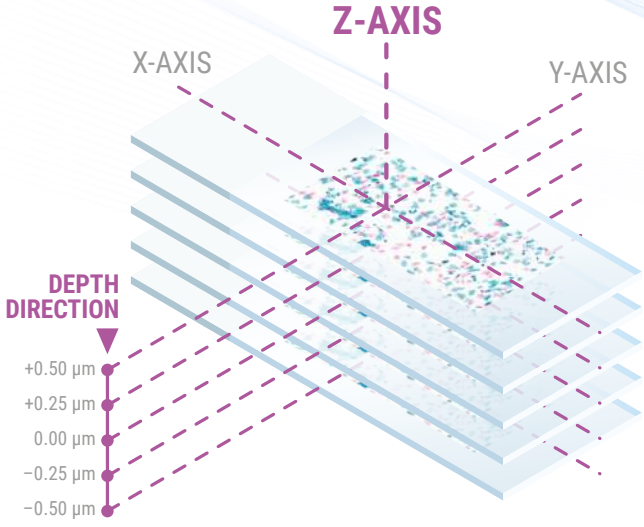
- **1x3 and 2x3 scanning:** Flexibility to scan standard slides or large specimens with precision and quality on a single system.

- **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 scanner delivers the trusted quality of Aperio scanners, bringing premium performance to everyday research.

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Aperio CS5 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)
- 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

*The Aperio CS5 scanner may not be available in every country/region.

The Aperio CS5 scanner 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 an Aperio CS5 scanner 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.

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