Because others look to you...
Look to VisionTek®

Slide review with live digital microscopy

VisionTek®
SAKURA
Digital Microscope
Brightfield System

GAIN A NEW PERSPECTIVE
INNOVATIVE 3-IN-1 MICROSCOPY

Live diagnosis

VisionTek® is a desktop digital pathology microscope that offers live viewing with remote control for digital image capture of anatomical pathology and cytology slides. It is a fully motorized brightfield optical system with high-resolution fast cameras and a rapid autofocus to capture high-resolution live images.

- Review slides side-by-side, and navigate, magnify, measure, and annotate live
- Control your view remotely via the Internet, and review and share live images with multiple pathologists
- View live images ergonomically

Remote consultation

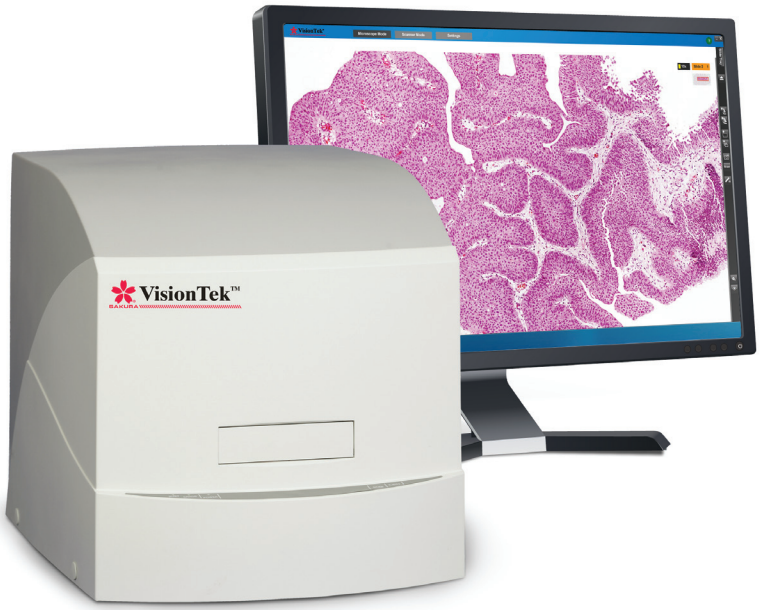
VisionTek®, coupled with broadband Internet access, enables live consultations anywhere.

- Frozen section slides can be reviewed remotely without a trip to the surgical suite
- Rural hospitals can have instant access to pathology specialists
- Clinicians can gain access to specialists worldwide for immediate expert diagnostic review

Scan archiving

VisionTek® is capable of user-defined Selective Slide Image (SSI™) scanning of multiple z-stacks, automated whole-slide scanning, or Partial Slide Image (PSI™) scanning by auto tissue detection.

- Diagnose live and then archive only those images you deem valuable
- Scan selective or partial scans for generating reports
- Scan high-resolution images for further analysis or educational purposes



VisionTek®

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Case review

VisionTek® enables complex cases to be reviewed **live** or in remote conference by multiple pathologists.

- *Share pathology findings with clinicians in tumor boards*
- *Compare and review all staining methods side-by-side*
- *Live or stored images can be shared for consultation*

Diagnosis

VisionTek® facilitates management of your workload and fine-tunes your review of complex cases.

- *The Virtual Case™ feature enables easy viewing, capture, and management of image data from multiple slides of individual cases*
- *Allows you to compare and review all staining methods side-by-side*
- *Facilitates live and remote examination and consultation of slides including frozen sections*

Research

VisionTek® can be your workhorse in a research lab where routine workflow mimics the clinical environment.

- *Allows rapid sorting of slides that need to be scanned for further analysis, archiving, and publication*
- *Enables rapid viewing and comparison of tissue microarrays (compare up to 16 images on the screen)*
- *Facilitates remote sharing of live images with your research collaborators*

Education

VisionTek® offers a versatile alternative to your standard multiheaded microscope.

- *Share images live on a large overhead monitor for viewing by an entire study group*
- *Enable remote study groups to control and review images when and how they choose*
- *Measure and annotate live images for a dynamic teaching experience*

VisionTek® DIGITAL MICROSCOPE/BRIGHTFIELD SYSTEM

THE VIEW HAS NEVER BEEN BETTER

Instrument Dimensions

Height:	45.5 cm (17.9 in)
Width:	40.5 cm (15.9 in)
Depth:	52.0 cm (20.5 in)
Weight:	35 kg (77.2 lb)

Optics

Magnification:	Slide tray overview 0.45x
Live image:	2.5x; 10x; 20x; 40x (digital zoom)
Illumination:	White LED, with Kohler illumination
Z-stage autofocus:	Mechanical high-precision autofocus; motor controlled via software (mouse); IR beam and image-based autofocus mechanisms work together to focus automatically after each XY movement
XY-stage automation:	Accommodates 4 standard microscope slides on a slide carrier; controlled via software

Image Detection

Overview camera:	Resolution at 0.45x = 12 µm/pix
Live view and scanning camera:	Resolution at 2.5x = 2.2 µm/pix at 10x = 0.55 µm/pix at 20x = 0.275 µm/pix
Scanning time:	3 min for 15 mm x 15 mm (at 0.275 µm/pix)

Computer

Operating system:	Windows 7, 64
Processor:	Intel Core i7 or higher
Hard disk:	128 GB +1000 GB 3.5"; 1000 Base-T Ethernet Intel, Pro/1000PT server network card
Monitor:	24-inch 1920 x1200 pixel resolution; display port or DVI

Operation Modes

Microscope Mode

- Overview of all slides
- Live review of single or multiple slides
- Scanned image review of single or multiple slides
- Single snapshot or user-defined slide scan
- Annotation and measurement

Scanner Mode

- Auto tissue detection mode
- Predefined scan mode

Digital Slide Gallery

- Manage and review scanned images

SAKURA®

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The snapshot, partial scan, and whole slide scanned images are for research use only (RUO) in the USA and may not be used in diagnostic procedures.

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