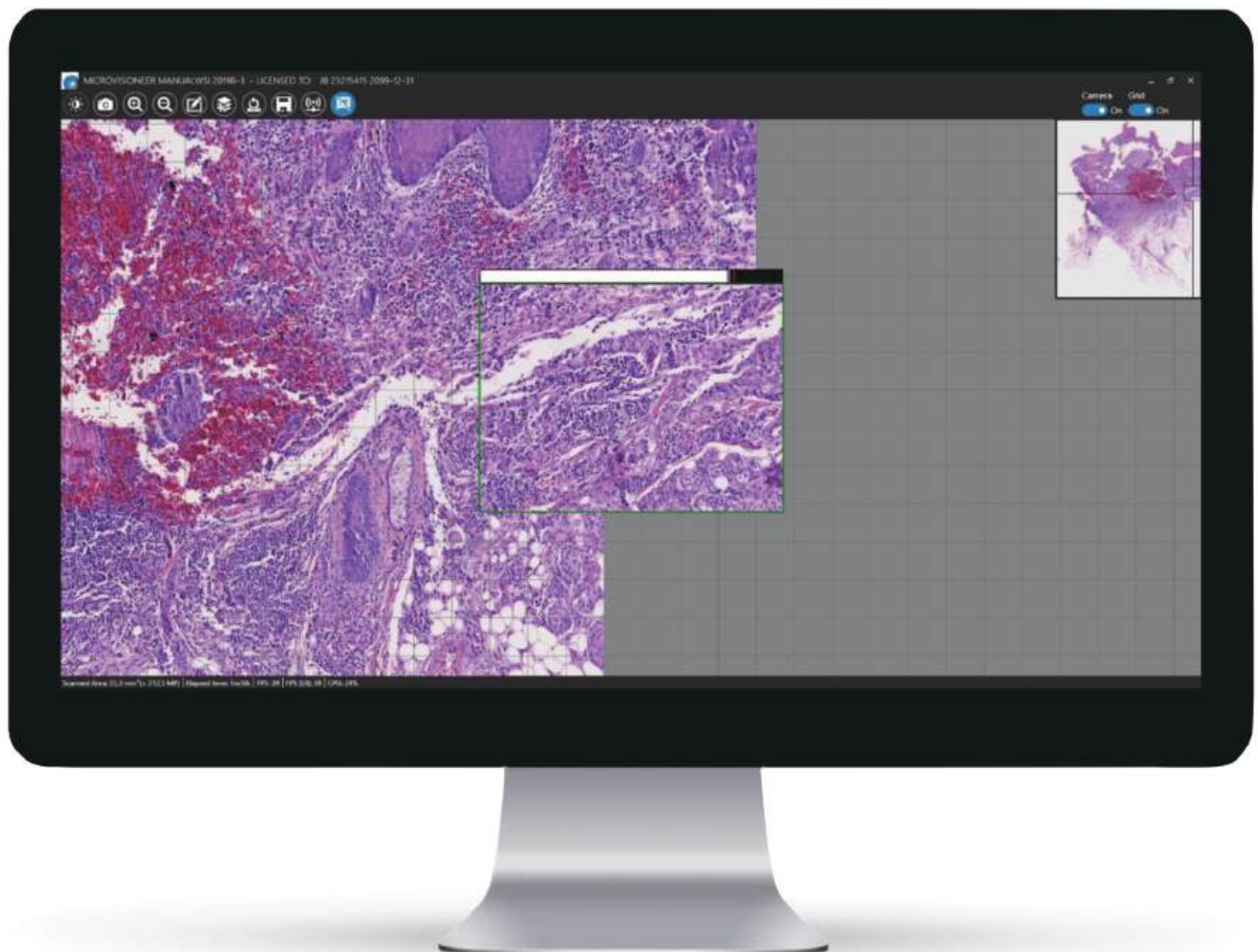




MANUAL WHOLE SLIDE IMAGING



Microvisioneer mvSlide

The easy slide scanning solution

<https://www.microvisioneer.com/mvslide>



The Microvisioneer mvSlide Scan Software

Upgrade your microscope to a manual slide scanner

Microvisioneer mvSlide is a high-quality and affordable manual scanning software allowing to upgrade [existing microscopes](#) to manual slide scanners. The exceptionally versatile and innovative solution enables customers in currently 80+ countries worldwide to create virtual whole slide images (WSI) for various applications. The mvSlide system is affordable, easy to use and readily available. It allows smooth and fast image stitching in real-time at high quality, similar to that of automated slide scanners. Almost any type of slide can be digitized, no matter how exceptional.



Microvisioneer offer an innovative software and personalised support package allowing users to convert digital images directly into whole slide images (WSI) of a quality comparable to commercial whole slide scanners.

Jeremy Parry,
Managing Director
DLS Pathology Services

The manual scanning process



1

Upgrade your microscope to a manual slide scanner with a suitable camera and the Microvisioneer mvSlide scan software. Camera mounting and software installation is extremely easy. A simple microscope upgrade – the ticket to virtual microscopy.

2

Create whole slide images by manually moving the stage. It has never been easier. Any desired objective can be selected. Scanning is intuitive and smooth. Real-time stitching of the panoramic image is seamless.



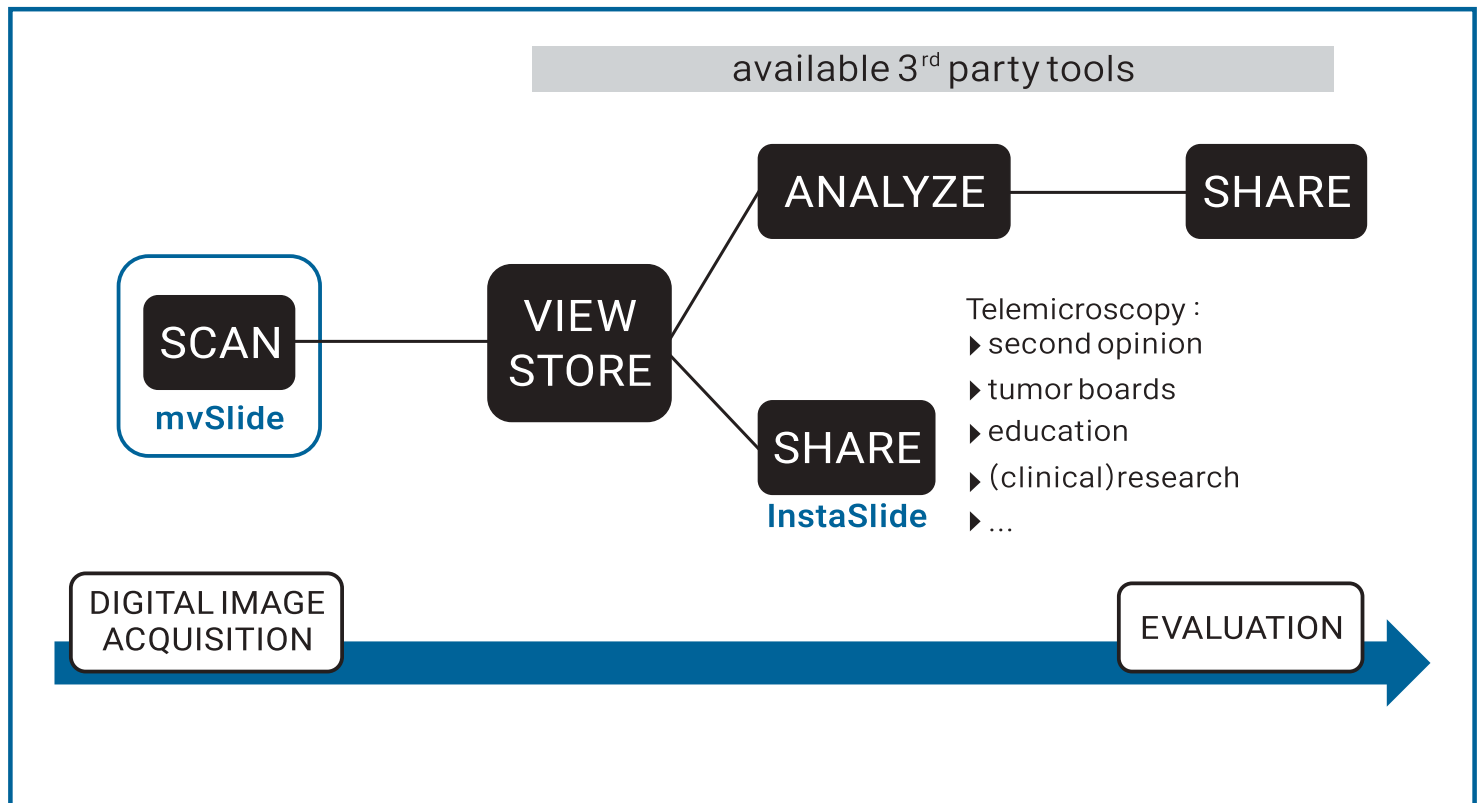
3

View, analyze, archive or share virtual slides. The virtual slides are saved in a standard digital pathology file format compatible with all major available viewers and image analysis tools. For sharing the images, simply use cloud-based systems.



The Digital Workflow with mvSlide

The easy transition to fully digital workflows



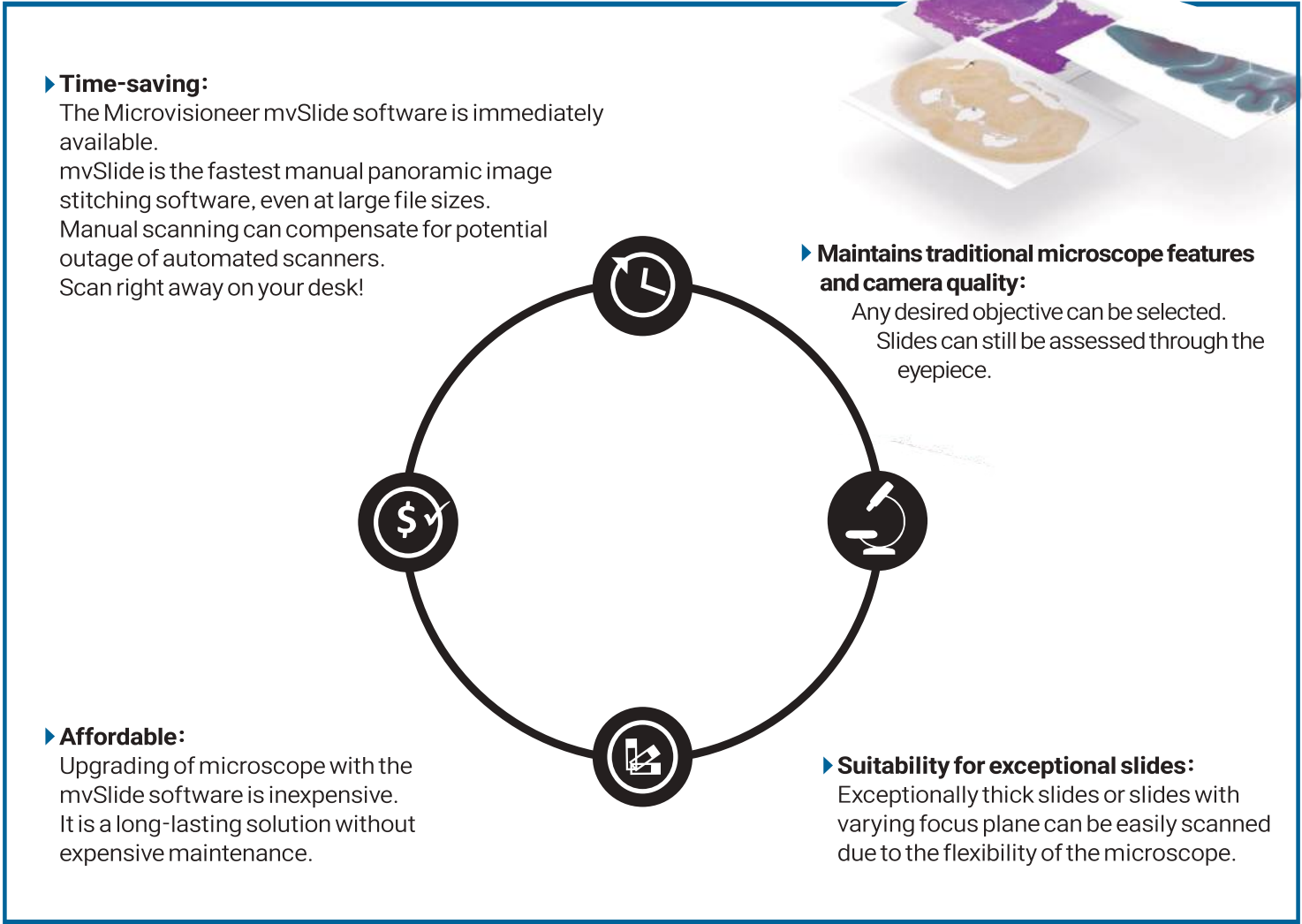
The Microvisioneer manual scanning solution can be readily integrated into any environment. The file formats of the whole slide images are standard and open industry file formats which are compatible with all major existing digital microscopy tools, such as viewers, image analysis software or cloud platforms. Thus, no major capital investment is necessary and a full and cost-effective telemicroscopy workflow can be established.

Microvisioneer mvSlide is an extremely powerful technique as it is easy to access and therefore significantly facilitates a transition to digital workflows.

For quick and straight-forward slide sharing, Microvisioneer also offer a telemicroscopy solution, InstaSlide, that can be integrated into mvSlide for fast communication with remote colleagues.

Benefits and Opportunities

Good reasons for manual scanning with Microvisioneer mvSlide



mvSlide opens up all the opportunities of digital microscopy



Image Analysis

Perform representative and reproducible analyses.
Automate image analysis.



Documentation & Publication

Save your digital slides, annotations and comments.
Preserve the original staining.
Create publication-ready high-quality images.



Education

Scan your own teaching slides and move away from expensive glass slides.
All students see exactly the same virtual slide, remotely and simultaneously.



Collaboration

Share digital slides with colleagues worldwide.
Work remotely and save time and costs.

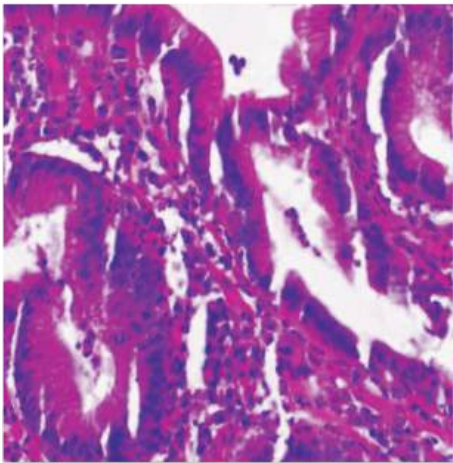
Applications

You decide what you scan

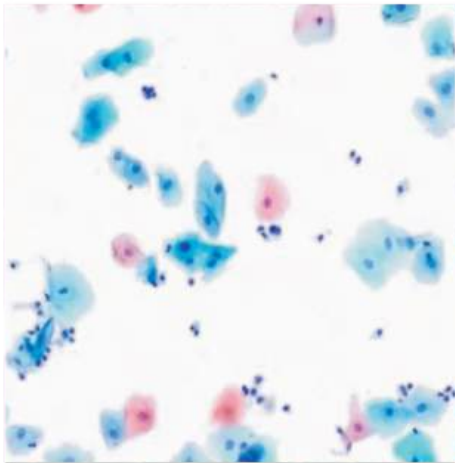
Microvisioneer's manual scanning approach combines digital progress and innovation with the versatility and flexibility of traditional microscopes. With the resulting low cost manual microscope scanner, almost any type of slide can be digitized, no matter how exceptional.

Scan interesting slides right away on your desk, scan particularly thick slides, unusually large slides or uneven slides, which are often a problem for automated scanners.

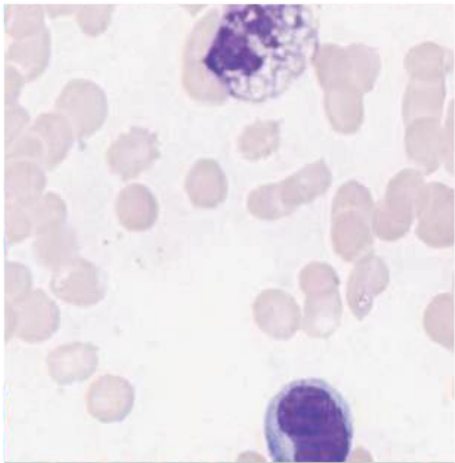
Typical brightfield histology tissue slide scanning or cytology imaging, digitization of frozen sections, oil immersion, phase contrast, polarized light and fluorescence imaging is all possible. Set up your own histology or pathology scanner, tailored to your needs.



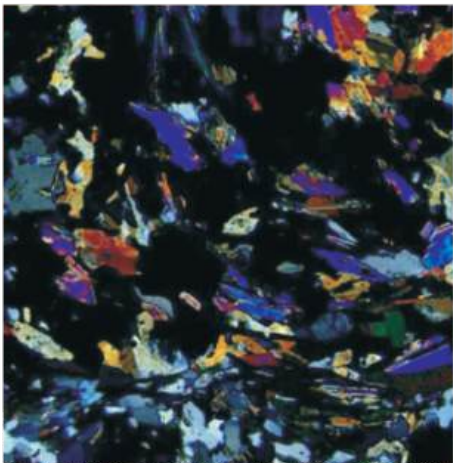
Brightfield histology
human intestine, H&E stain



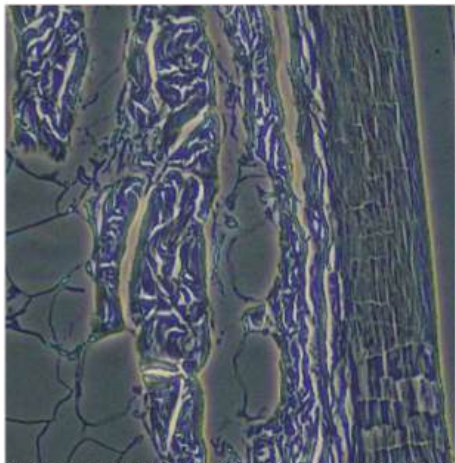
Brightfield cytology
gynecologic sample,
papanicolaou stain



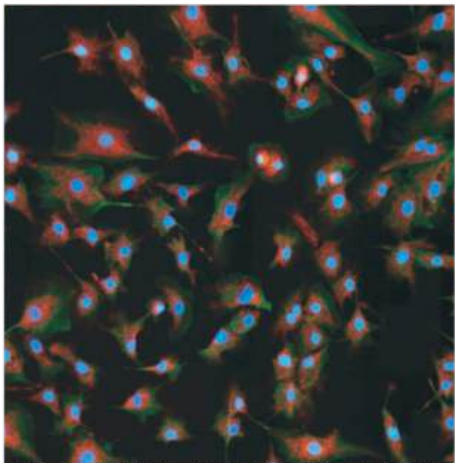
Brightfield /oil immersion
blood smear, Wright's stain



Polarized light
rock thin section



phase contrast
skin of pig embryo



Fluorescence
BPAE cells stained with
MitoTracker Red CMXRos
and Alexa Fluor 488

Specifications

Key technical features of Microvisioneer mvSlide

Supported microscopes	Trinocular with PLAN lenses or better
Supported scan modes	Brightfield, darkfield, phase contrast, polarization, oil immersion, and fluorescence
Supported cameras	Cameras with global shutter sensors or CCD sensors in progressive scan mode
Output file formats	SVS, TIFF, JPG, BMP, PNG
Operating system	Win7 or higher, 64bit
Shading compensation	Active compensation of shading / vignetting
Flicker compensation	Active compensation for older microscopes with flickering light sources
Freeze feature	Combination of multiple scans of different tissues / stains into one virtual slide
Snapshot feature	Shortcut to automatically save still images with or without scale bar while scanning. Can also be triggered via USB foot switch.
Presets	Store and load settings for different objective lens magnifications and stains
Realignment	Semi-automatic, automatic
Barcode reading for high-throughput scanning	Integration of barcode reading for automated file name creation including regular expressions and time stamps
Label and Macro Add-On	Add-on USB camera to capture whole slide and label, inclusion of the image in the scan
Pen annotation feature	Direct integration of basic annotations into the scan
White balance	Automatic and manual
Exposure adjustment	Automatic and manual
Possibility of integrating Microvisioneer InstaSlide and mvLive	Microvisioneer's solutions for sharing scans and for broadcasting the live camera image can be directly integrated

Microvisioneer mvSlide is for research use only.

Microvisioneer Product Range

Find your solution



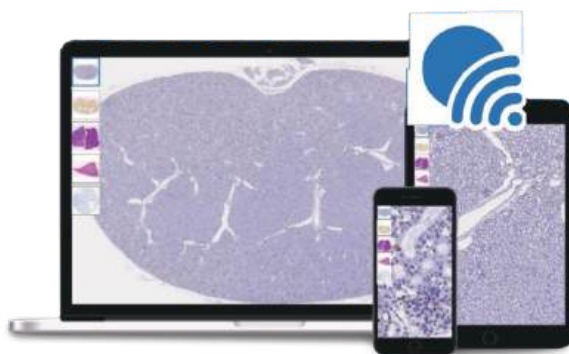
Microvisioneer **mvSlide Brightfield Edition**

Manual scanning for brightfield applications, oil immersion, polarized light and phase contrast. Suitable for histology, immunohistochemistry, cytology, material science and many more.



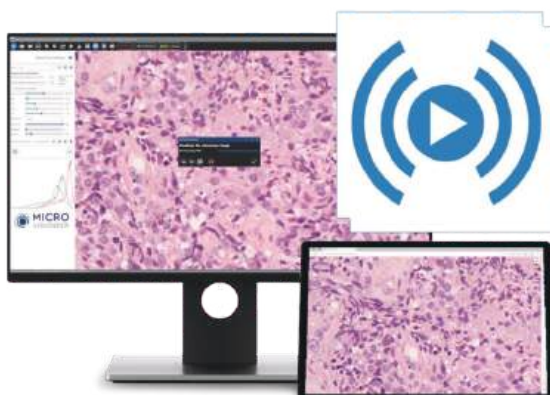
Microvisioneer **mvSlide Fluorescence Edition**

Manual scanning for brightfield and fluorescence applications. Both single channel and multi channel fluorescence imaging is possible.



Microvisioneer **InstaSlide Slide Sharing Software**

Immediate sharing of whole slide images via the internet with anyone, anywhere. A Microvisioneer telemicroscopy solution.



Microvisioneer **mvLive Broadcasting Software**

Live sharing of the camera image with remote colleagues. Best image quality without compression artefacts.

Manual Whole Slide Imaging Solution

Scan Right Away on Your Desk



Leica DM1000LED with **mvSlide**

※ If you want to evaluate it with a demo unit, please contact us below.

SCIncube
Achieve **SCI** with the **cube**

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