

TRIBVN ICS Framework

The multi-functional digital slide imaging platform



A digital slide is a digital copy of a glass slide, produced using a motorized microscope or slide scanner.

In just a few years, this technology has advanced substantially in both quality and efficiency, thereby allowing the emergence of applications which fulfil two key objectives: the **sharing of digital slides** and the **automated analysis** of these slides.

In this context, thanks to our research and distribution partnerships with NIKON and APERIO, TRIBVN can provide **complete stations for the production and processing of digital slides**, comprising an imaging facility (scanner or microscope) and a dedicated software package: **TRIBVN ICS Framework**.

- ✓ Utilization: Digitization, navigation, documentation, analysis and sharing of your digital slides
- ✓ Applications: Education, collaborative work, research, automated quantification
- ✓ Potential customers: Hospital laboratories, universities, research centres, industrial operators

TRIBVN ICS Framework

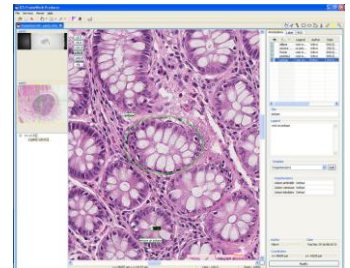
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✓ Principle of operation

Digitization of
complete slides
or ROI from 2x
to 100x

Slides are **digitized** using a NIKON 80i microscope with a XYZ motorized stage or an APERIO Scanscope slide scanner.

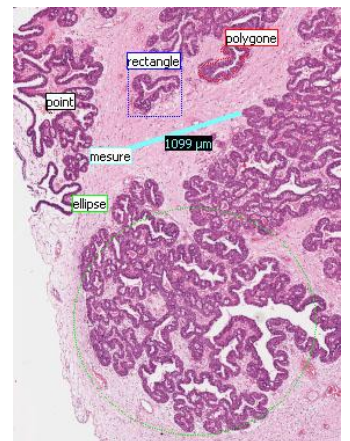
This system allows **whole-slide scanning with high magnification** at 20x, 40x, 60x, or the **scanning of regions of interest**.



Navigation
Annotation
Indexing
Sharing

ICS Framework allows the following: **navigation, annotation, measurement and comparison** of your digital slides.

In TRIBVN ICS, your digital slides can be **indexed, archived and shared**, whilst maintaining the connection with your image management system.

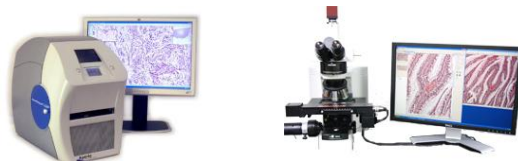
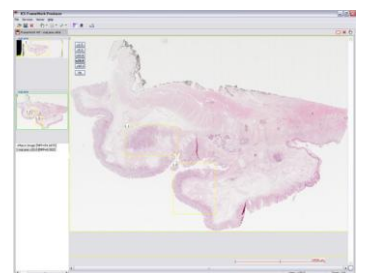


Publication
Exchange
Analysis

Circulation and analysis of your digital slides.

ICS Framework allows the **publication of your slides** on DVD or the Internet, for straightforward sharing with your correspondents.

ICS Framework allows the referral of digital slides to image analysis tools, specifically SAMBA IPS, for automated quantification.



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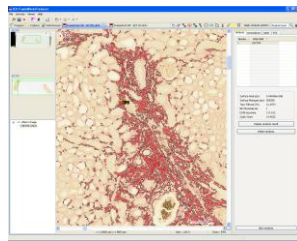
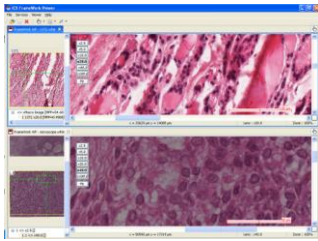
✓ Digital slide applications

The digitization of slides will allow the following:

- **In-house sharing** within your laboratory, hospital or company
- **External sharing** with your colleagues, partners or clients
- The **analysis of images** using image analysis tools for screening, measurement and quantification purposes

Examples of operational projects:

- **RCP presentation** of slides for discussion (University Hospital Centre, Cancer Research Centre)
- **Intra- and inter-observer variability analysis** of a rare tumour (protocol)
- **Quantification** of hepatic and renal fibrosis (University Hospital Centre)
- IHC **screening** of TMAs (Pharmaceutical laboratory)
- **Teaching** with digital slides (University)



✓ Available facilities in ICS Framework and formats supported

Framework allows the **management and acquisition of digital slides** from facilities distributed by us in partnership:

- NIKON microscopes with XYZ motorized stage
- APERIO Scanscope scanners: GL, CS, CS Dual, XT models
- NIKON multi-spectral and IMHO fluorescence station

In addition to the control of the above-mentioned facilities, ICS Framework will allow the automated importing of the following formats: ZEISS Mirax, HAMAMATSU Nanozoomer, SAMBA Escope.

✓ Strong points of the TRIBVN product range

- **Hardware and software integration** = optimum image quality
- **Ergonomy and simplicity** = suitability for routine and networked operation
- A **dedicated production platform** = applications in accordance with your requirements
- **Extended software functionalities** = a comprehensive solution
- A **standardized solution** = straightforward exchanges between laboratories, LISs, and Internet sharing
- **Attentiveness** to development and service = responsiveness to your requirements

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TRIBVN

a range of integrated and complementary solutions for your images

ICS Capture

Control of Macro-Micro-Camera facilities

TRIBVN ICS

Centralized-Integrated-Modular image database

ICS Framework

Tool for the production and management of digital slides

Samba IPS

Analytical tool for images and digital slides

Teleslide

Web application for the sharing of image documents

Commercial and technical contacts

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