

Automated Al-microscopy for everyone, everywhere.









Small footprint, big possibilities.

Current imaging systems are costly, bulky, and often have complex workflows. They require significant investment, ongoing maintenance, and specialised expertise to operate and analyse data. Not anymore.

In AI-powered slide imaging, delivering high performance at a fraction of the cost. By leveraging locally deployed AI models, our whole slide imaging solution provides fast and accurate results without the variability typically associated with manual microscopy.

In addition to its performance, our tools, RAVEN and ODEN, offer exceptional flexibility, empowering users to explore without limits, even in low-infrastructure settings.

Accurate: highly accurate machine-learning algorithms

Accessible: Designed to be lightweight, energy agnostic and durable, our imager is prepared to go anywhere you can

Affordable: Cost-effective and efficient for research settings of any scale





AI-enabled slide reading and analysis



Raven

- Automated slide readings
- Standard glass slides
- On-device AI-models
- Portable and easy to use

Oden

- Browse & enrich your image data
- Easily train AI-models for your workflow
- Enables remote collaboration
- Handles multiple image sources

Technical specifications

"Raven" Whole Slide Imager (WSI)



Weight:	4.8kg
Dimensions:	20 x 25 x 26cm
Storage:	1TB local
Optics:	NA 0.17, 1.2µm resolution limit
Digital Resolution:	1 px = 0.93μm
Scan Area:	75mm x 25mm
Focus:	Automatic 4mm fine, 30mm coarse Depth of focus: 10μm (Step-size 5μm)
Operating Conditions:	Atmospheric pressure 0.75 ~ 1.1 bar Relative Humidity: Up to 85% (non-condensing) Temperature Range: 5°C ~ 40°C
Scan and Analysis Speed:	Sample dependent; Typically 5-10 min with focus stacks and analysis
Maintenance:	No lubricants, dust filter, lens and slide cleaning required

For research use only. Not for individual diagnostics. Specifications subject to change.

Intelligent workflow



Automated slide readings

Desktop whole slide imager with integrated AI-processing.



1. Standard lab procedure



The microscope reads standard glass slides 25x75mm or custom made sample carriers of similar size. QR or barcodes can be used for tracking. The prepared slide is loaded into the microscope.



Ensuring a smooth workflow where only

proper slides are scanned.

3. Scanning and analysis

Scanning Detection of features of interest



The scan procedure can be customised depending on needs and the characteristics of the sample. Every image can be processed in parallell to the scanning, detecting the features of interest.

4. Post-scan processing

Result aggregation & Expert result verification



Whole slide stitching, z-stack flattening, integrations to external systems and export options available. Detected features can be verified by a human expert.

Image & AI Application

No-code pipeline to create AI-models for your specific needs.





Broad applicability - easy to adapt

Epidemiological studies, disease monitoring, surveillance, entomology, environmental sampling, fluorescent stains

Easily automate scanning and analysis of your slides. Already trained for a range of samples including tissue sections, thick and thin blood smears, direct smears, Kato-Katz and urine filters.



Images captured with Enaiblers AI-microscope.

Engineered for ease of use and robust operation in resource limited settings, RAVEN is energy agnostic, compact and light-weight.

On-device whole slide image stitching and analysis ensures comprehensive coverage of the specimen.







Core features:

- ✓ Whole slide imaging
- ✓ Boundary detection
- Compact and portable
- Customisable Workflows
- ✓ Sample preparation assessment
- ✓ On-device AI analysis
- ✓ QR reader

Thanks for your interest in Ai powered imaging, affordable for you.

Field & Research partners





WHO collaborating centre at Ghent University

COLLEGE VELLOR Wellcome Trust Research Diresa, Ayacucho, Peru Laboratory, Vellore, India

Ministry of Health Uganda

Swiss TPH 🔰

Health Institute

DIRESA

Grant providers



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Recognition









an Al-driven digital pathology of









