

MICRON Software Suite

On the web: phoenixmicron.com

Email us at: sales@phoenixmicron.com

MICRON Software Suite (MSS)

streamlines the small animal ophthalmic imaging workflow, and helps you capture even more valuable data. Use a single application, with an intuitive user experience, to capture, review, annotate, and export images and data.



Highlights:

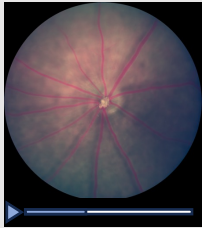
- **Single Application:** See the live camera view, adjust exposure and focus, select filters, and capture images, videos, and OCT scans. Works with multiple modalities (fundus, OCT, laser, slit lamp)
- **Add Tags:** Add user defined data tags to subject animals, imaging sessions, and images, where the tags become structured metadata in exports for improved correlation and regression analysis
- **Segment OCT:** Use built-in Ai/ML algorithms, trained on rodent retinas, to speed OCT segmentation, without launching a separate application
- **Share Across Labs:** Easily share one MICRON system with multiple labs, including grouping subject animal and experiment data by lab
- **Review Station:** Copy images and data to the MICRON Software Suite-Review Station edition (sold separately) to perform all the review and export operations of MSS on your laptop or workstation, away from the lab



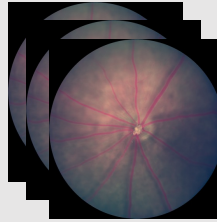
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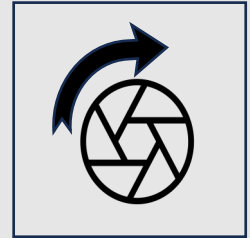
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Capture high-resolution still images and videos with real-time fundus viewing



Extract still images from videos for detailed analysis



Software control of focus, aperture intensity, gain, frame rate and filters

More Features:

- **Capture Animal Details:** Simplify data capture with integrated animal subject data management
- **Presets:** Save camera settings to quickly setup for imaging tasks, including focus, exposure settings, and filter selections
- **Auto-focus and auto-illumination:** Let the software quickly adjust focus and illumination to speed image capture
- **Image and Data Management:** Eliminate the need to manage folders of images on the Windows file system
- **Record Settings:** Automatically capture system settings with each image (on MICRON 5), such as focus, illumination, and filters, to improve analysis and experiment repeatability
- **Review Images and Data:** Use advanced image review features to extract frames from videos, create side-by-side image comparisons, and save zoomed views of images





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Specification	Details
Software Editions	Camera Edition – Operates on the MICRON Control Unit; includes acquire, review, and export Review Station Edition – Operates on a compatible Windows computer; includes review and export
Supported Cameras	MICRON 5 MICRON IV purchased after November 2021
Supported Modalities	Image-Guided OCT ² Image-Guided Lasers Anterior Segment Imaging System (slit lamp) Includes support for MICRON 5 machine readable filters
Computer Requirements	Camera Edition: Pre-installed on the MICRON Control Unit (MCU) Review Station Edition: Resolution: 1920 × 1080 (Full HD) · CPU: Intel Core i5 (12th gen) or newer · RAM: 8 GB · Storage: 250 GB · Graphics: NVIDIA GeForce
Operating System	Windows 10 or Windows 11
User Access	Multiple logins and role-based security; supports strong password enforcement and a separate administrator role
Audit	Built-in security audit log for improved IT compliance
Image File Format	Export as TIF or JPEG
Data Format	Images exportable with or without an accompanying CSV file of data (system and user-generated tags)
Export Control	Enable or disable export to removable media; optional connection to internal network for export to a shared folder
Data Storage	Local SQL database; images and videos stored anonymized in the Windows file system
Internet Connection	Not required





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Supports Fundus Imaging and a Wide Range of Add-on Modalities, Including:



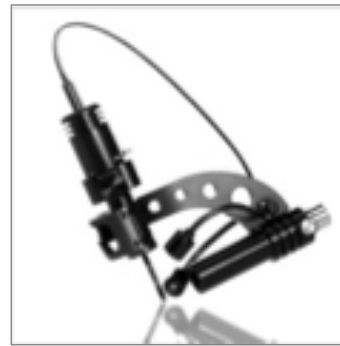
Image-Guided OCT2



Image-Guided Lasers



Image-Guided Focal ERG



Slit Lamp

1000+

Published papers that incorporate MICRON data

15+

Years of experience innovating patented small animal imaging technology

8

Imaging modalities, in a compact footprint

5

The latest generation MICRON Camera

2

Camera platforms

