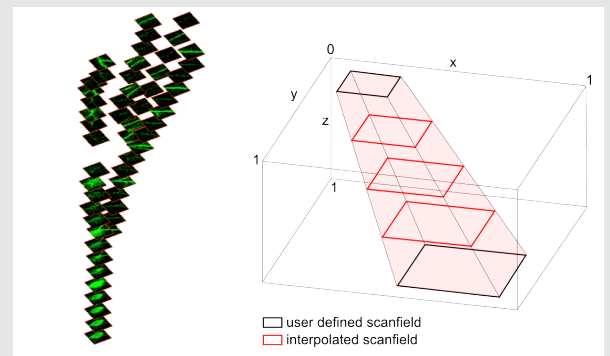# ScanImage®

Don't let the microscope control you!

ScanImage® is the most advanced software package for controlling multi-photon microscopes. Whether your lab uses custom-built microscopes or commercial systems from Scientifica, Sutter, Prospective Instruments or Thorlabs, ScanImage software paired with our vDAQ™ data acquisition card, helps you make the most of your microscope system. ScanImage is used by more than 350 laboratories throughout the world and is cited in over 900 research papers to date.

Benefits of ScanImage:

- Open source and user customizable to support countless hardware combinations
- Create customized scan paradigms with a user interface completely scriptable in MATLAB
- Compatible with most commercial and custom-built 2 and 3 photon microscopes

Multiple Region of Interest (MROI) Imaging

ScanImage® allows the microscope's full field of view to be subdivided into multiple regions of interest (ROIs). It supports the definition of ROIs. By defining regions of interests (ROIs) the number of scanned lines is reduced to maximize the framerate while preserving the image resolution within the ROIs.


Photostimulation Workflows

ScanImage features a powerful and flexible photostimulation workflow. It allows simultaneous imaging and photostimulation. The photostimulation can be synchronized with your behavioral experiment.
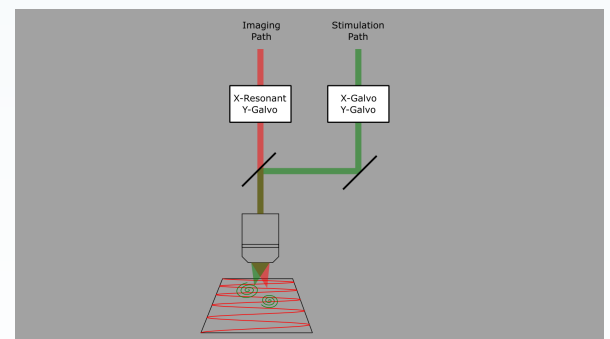
Photo Counting

ScanImage combined with the High-Speed vDAQ allows you to detect and count individual photons. In photon-limited acquisition, this approach increases the signal to noise ratio by suppressing noise from external sources such as a PMT power supply.

ScanImage®

Don't let the microscope control you!
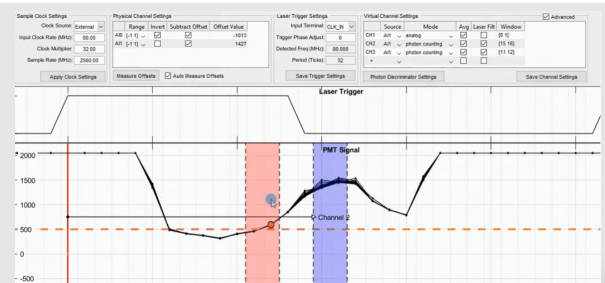
Additional features:

- Resonant/Galvo scanning
- Galvo/galvo scanning
- Laser clock sync
- Stage and beam power control
- Power box
- Stack acquisition using stage
- FastZ stack acquisition
- Arbitrary line scanning
- Independent Z-control for multiple scanners

- SLM support including 3D shot
- 3-photon support
- Online analysis
- Integration with WaveSurfer
- Timestamp behavior events
- Photon Counting
- Camera support
- Remote control through TCP
- Oscilloscope mode
- Big Tiff file creation

- FastZ actuator tuning
- Live histogram
- Custom power depth adjustment
- 3D motion correction
- Command waveform optimization
- Live motor position update in GUI
- Simultaneous imaging and photostimulation

Fully supported and maintained

ScanImage includes access to extensive online help, as well as our team of expert technical services personnel to assist with you with system operation. In addition, our staff scientists are ready to provide scientific support to your research questions. MBF Bioscience is here to provide support for your lab and help you achieve your research goals.

Learn more at : vidriotechnologies.com/scanimage/

About MBF Bioscience

A rich history of creating the future of neuroscience.

MBF Bioscience develops advanced tools for collecting and analyzing accurate, reproducible data from histological specimens, 2D and 3D microscope images, and freely moving *C. elegans* so that scientists can better understand brain diseases and processes at a cellular level.

Our products have helped researchers publish over 15,000 peer reviewed papers.

What our customers say

" ScanImage is extremely stable, allowing us to image for hours without bugs or crashes, and the user interface is intuitive but still provides detailed control over acquisition parameters.

Dan Wilson
Harvard Medical School

" MBF Bioscience is extremely responsive to the needs of scientists and is genuinely interested in helping all of us in science do the best job we can.

Sigrid Veasey, M.D.
University of Pennsylvania

mbfbioscience.com | 1-802-288-9290 | info@mbfbioscience.com | f y in ⊙