

New!

**SUPPORTS LINEAR GALVANOMETER AND
RESONANT SCANNER HARDWARE**

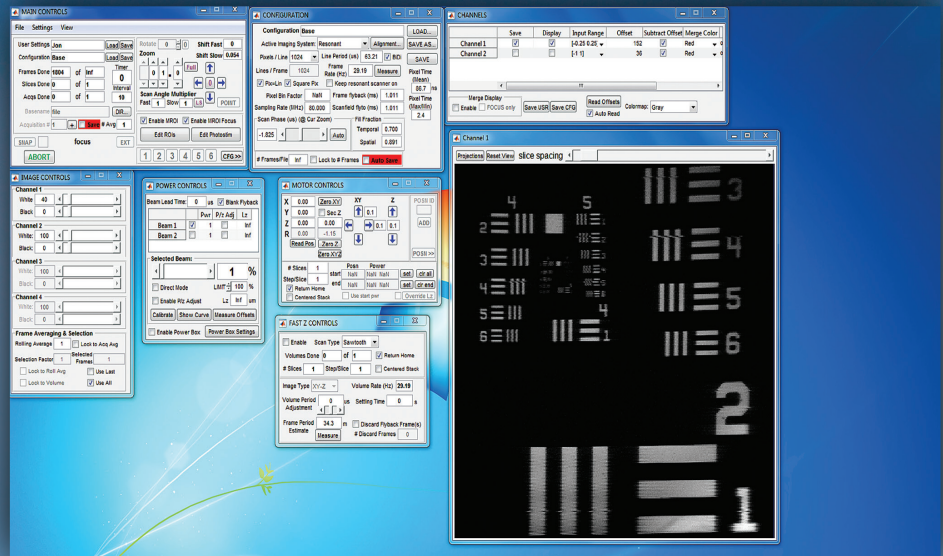
**PROVIDES SUPPORT FOR RESONANT,
GALVANOMETER, GALVANOMETER TRIPLE
SCANNER COMBINATION**

**PRECISE EXPERIMENTAL SYNCHRONIZATION
BETWEEN IMAGING, PHYSIOLOGY AND
BEHAVIOR WITH USER DEFINED TRIGGERS
AND INTERNAL CLOCK SIGNALS**

**FULL SUPPORT FOR SIMULTANEOUS IMAGING
AND PHOTOSTIMULATION APPLICATIONS
REQUIRING PARALLEL SCANNER PATHS**

**MULTI-REGION OF INTEREST MODE PROVIDES
TARGETED SEQUENTIAL IMAGING AND
PHOTOSTIMULATION**

FLEXIBLE AND FAST VOLUME IMAGING



SCANIMAGE 2015: SOFTWARE AND FPGA-BASED ACQUISITION SYSTEM

ScanImage is imaging software for scanning microscopes developed by Karel Svoboda and coworkers (Polgruto et al, 2003) and judiciously maintained by members of the Svoboda lab, first at Cold Spring Harbor Lab and then at Janelia Farms, HHMI. It is hard to over estimate the influence of this software in the field of two-photon scanning microscopy.

ScanImage was designed to be freely available and open source and its early maintenance was "easily" supported. However, as **ScanImage** became increasingly popular and as new versions were required to cover changes in operating systems and hardware drivers, it soon became obvious that a high level of maintenance could not be sustained based on the "freeware model". Ultimately, **ScanImage** support and development has become a commercial enterprise and Vidrio is the new face of **ScanImage**.

Two-photon microscope development at Sutter Instrument has been closely tied to **ScanImage** software for years. In addition to the MOM[®] in vivo two-photon scope, Sutter has many products that are used by two-photon microscopists using **ScanImage** including our stepper motor drive XYZ controllers, galvo and resonant scanner systems, PMTs and PMT power supplies. We are grateful to have had a mutual, continuing connection to **ScanImage** and the **ScanImage** community for over ten years.

Sutter provides hardware that operates seamlessly with all versions of **ScanImage**. Products can be purchased ala carte or as a bundled system with **ScanImage 2015** Premium or SI 5.

For technical information about **ScanImage 3.8** for galvo scanning, and SI 5 and **ScanImage 2015** for resonant scanning, we direct you to the Vidrio and **ScanImage** web sites.

VIDRIO - <http://scanimage.vidriotechnologies.com/pages/view.page.action?pagelId=36141>

ScanImage - <https://openwiki.janelia.org/wiki/display/ephus/ScanImage>

BUNDLED SYSTEMS¹

Includes SI2015-SOFT, RESSCAN-MOM or RESSCAN-GEN, preconfigured NI-FLEX RIO data acquisition system, and two FEMTO DHPCA-100 fast preamps with power supplies.

RES-MOM-SI2015

Resonant Scanner for Sutter MOM[®] w/ ScanImage 2015

RES-GEN-SI2015

Resonant Scanner for 60mm cage based microscope MOM[®] w/ ScanImage 2015

¹Please note, **ScanImage 2015 Bundles** are not turnkey packages. You will need to supply an appropriate computer with MATLAB[®] software installed. MATLAB[®] is a product of MathWorks.

SUTTER INSTRUMENT

One Digital Drive • Novato • CA 94949 • Phone 415.883.0128
Fax 415.883.0572 • Web www.sutter.com • Email info@sutter.com