



New Feature

CAN EASILY BE ADDED TO EXISTING MOM® SYSTEMS

CAN BE USED AS A COMPONENT FOR CUSTOMERS BUILDING THEIR OWN SCOPE

COMPATIBLE WITH MSCAN, AS WELL AS MANY FREEWARE AND COMMERCIAL SOFTWARE PACKAGES

FULL FRAME SCANNING AT UP TO 30 FRAMES PER SECOND

WHISPER QUIET RESONANT SCANNER BOX

FLEXIBLE HARDWARE WORKS WITH A VARIETY OF SYSTEMS

TURNKEY OR BUNDLED OPTIONS AVAILABLE



(Shown: RESSCAN-MOM)

RESSCAN SUTTER RESONANT SCAN BOX

The new **Sutter Resonant Scan Box (RESSCAN)** is a general purpose resonant scan box using the industry standard Cambridge Technologies CRS 8KHz resonant scanner for fast X scanning and a second Cambridge galvo scanner (6215 5mm) for Y axis scanning. The scan box is whisper quiet and the package allows full frame scanning at up to 30 frames per second (actual values are software dependent). Unlike other resonant systems designed to be used with proprietary hardware and/or software, the Sutter resonant scan box and its connections to the outside world are intentionally generic.

Two versions of the scan box are currently available:

- **RESSCAN-MOM** - a version that fits in the standard scanner location in the MOM® and can be purchased either with a new MOM or used to field convert an existing MOM.
- **RESSCAN-GEN** - a generic version compatible with 60mm cage systems. This version of the resonant scan box was designed for the Janelia Farms MIMMs microscope, but will work with any scope with a scan pathway designed around a 60mm optical cage.

The resonant scan box controller (MDR-R) connects to and drives the resonant scan box and provides the exact inputs and outputs supplied by Cambridge Technologies scanner controller cards (SYNC and ZOOM for the CRS scanner and Position for the slow Y scanner). This is helpful for those who have existing software that runs with other microscopes using Cambridge Resonant scanners.

The Sutter resonant scanner system can be purchased in several configurations. Those who wish a ready to use, turnkey Resonant scanner system, complete with software, should purchase either RES-MOM-MCS or RES-GEN-MCS. If you wish to use your RESSCAN with ScanImage 2015, you should purchase either RES-MOM-SI2015 or RES-GEN-SI2015.

Alternatively, you may wish to take advantage of the standard connections on the controller to use the Sutter scanner system with existing freeware (Helioscan or SI 5), third party commercial software (3I Slidebook) or software of your own design. Sutter carries stand alone NI FLEX R10 data acquisition packages to use with SI 5.

RESSCAN BASIC SYSTEM

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|--------------------|---|
| RESSCAN-MOM | Resonant Scanner for Sutter MOM® – Stand Alone |
| RESSCAN-GEN | Resonant Scanner for 60mm cage based microscope – Stand Alone |

MCS & MSCAN 2.0 BUNDLED VERSION

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|--------------------|--|
| RES-MOM-MCS | Resonant Scanner for Sutter MOM – Bundle Version |
| RES-GEN-MCS | Resonant Scanner for 60mm cage based microscope – Bundle Version |

SCANIMAGE 2015 BUNDLED VERSION¹

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|-----------------------|---|
| RES-MOM-SI2015 | Resonant Scanner for Sutter MOM® – ScanImage 2015 Bundle Version |
| RES-GEN-SI2015 | Resonant Scanner for 60mm cage-based microscope – ScanImage 2015 Bundle Version |

¹ Please 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

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