

Rapid Multi Region Scanner

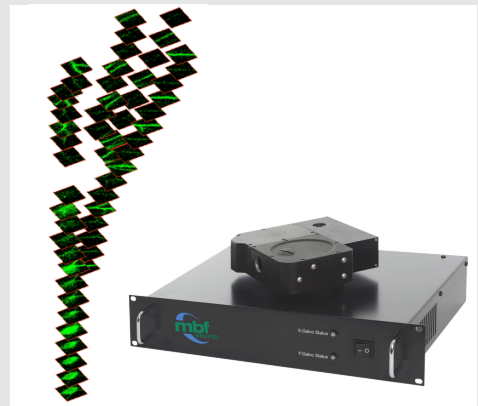
Powered by ScanImage®



The RMR (Rapid Multi Region) Scanner increases your microscope's imaging rate by subdividing the field of view into multiple regions of interest. It combines the flexibility of galvo mirrors with the speed of resonant scanning. Its novel design combines two galvo and one resonant mirror into one compact device. The scanner is fully compatible with ScanImage's powerful scanning modes. The flexible mounting options allow installation on a Thorlabs BScope, a Sutter MOM and DIY microscopes.

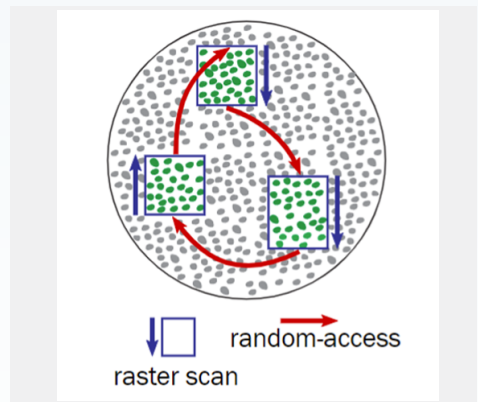
Rapid Multiple Region Scanning

Combine the speed of resonant raster scanning with the flexibility of galvo scanning. By selecting regions of interest, no time is wasted in empty areas of the field of view. ScanImage's intuitive MROI (Multi Region of Interest Imaging) feature makes it easy to define regions in 2D or 3D.



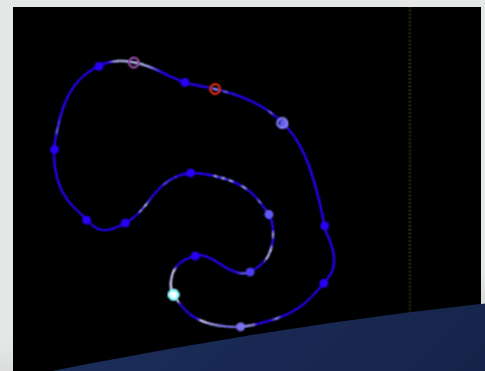
Photostimulation

Use either a resonant raster scan and selectively increase the power in selected regions using ScanImage's Power Box Feature, or use the Photostimulation Feature to rapidly stimulate neurons in sequence.



Arbitrary Line Scanning

Use the galvo pair to sample individual neurons along a predefined scan path. ScanImage's powerful arbitrary line scanning feature allows to quickly define 3 dimensional paths and automatically optimizes the transition between features for maximum speed.



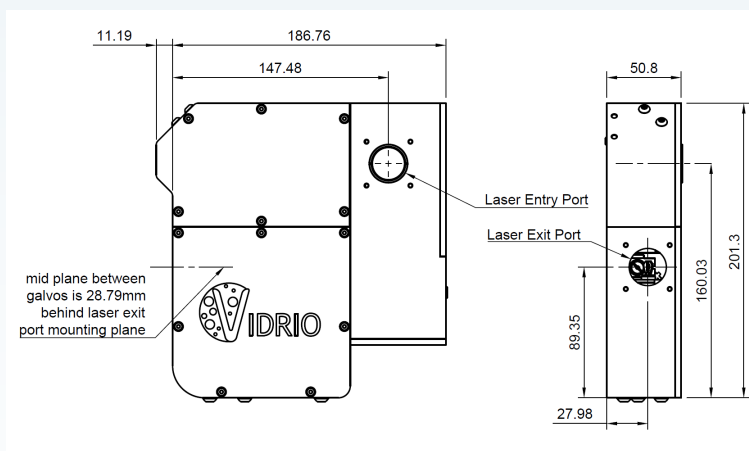
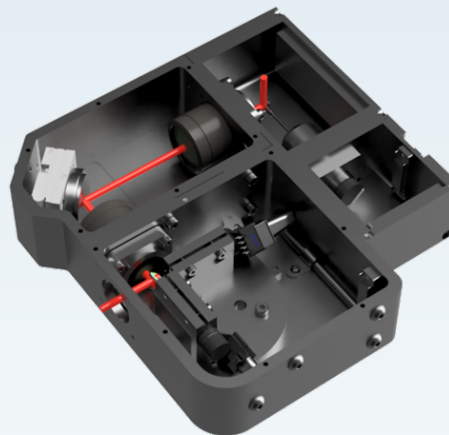
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Technical Specifications

- 2x Cambridge galvo 6215H mirrors
- Cambridge resonant mirror 8kHz
- Group delay dispersion < 1000fs²
- FOV: 20 degree optical
- Suitable for a laser beam diameter up to 4mm
- 30mm cage mountable
- Controller Box included
- Mounts on Sutter, Thorlabs and DIY microscopes



Learn more at: vidriotechnologies.com/rmr/



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