

The vDAQ is an all-in-one data acquisition card for microscope control with ScanImage. It controls galvos, resonant scanners, pockels cells, Piezo objective positioners, shutters and much more. It greatly simplifies the wiring complexity of microscopes by eliminating the need for additional 3rd party data acquisition hardware.



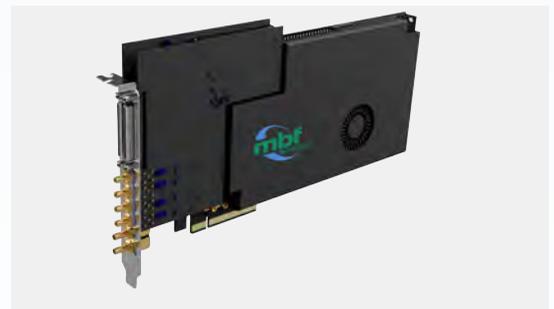
### A Single Breakout Box

You can achieve a simpler wiring diagram with the vDAQ and a single breakout box in a slick 2U 19-inch rack mount format. The breakout box and connecting cable are included with the vDAQ.



### Cost Effective, Flexible and Fast IO

vDAQ is the most advanced microscope controller for multi-photon systems. Because it combines all functionality on one board, it saves cost compared to modular systems.



### Synchronize with Any Clock

Unlike other data acquisition hardware, the vDAQ can be synchronized with any external clock, and it can produce its internal clock signals as well. Of course, it supports all advanced ScanImage trigger capabilities.



## Uses the Newest Xilinx FPGA

The Xilinx Kintex Ultrascale FPGA is state of the art and provides greater capacity for real-time image processing and closed loop experiments. The vDAQ comes standard with 4 GB of DRAM giving you more processing power.



## Technical Specifications

- Xilinx Kintex UltraScale FPGA
- 2 Analog inputs (2.7GHz, 12bit)
- 4 Analog Inputs (125MHz, 14 bit)
- 12 Analog Inputs (1MHz, 16bt)
- 12 Analog Outputs (2MHz, 16bit)
- 32 Digital Inputs/Outputs
- 4GB DDR3 RAM
- 4GB/s data transfer rate

Learn more at: [mbfbioscience.com/products/vdaq](http://mbfbioscience.com/products/vdaq)



## 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 17,000 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