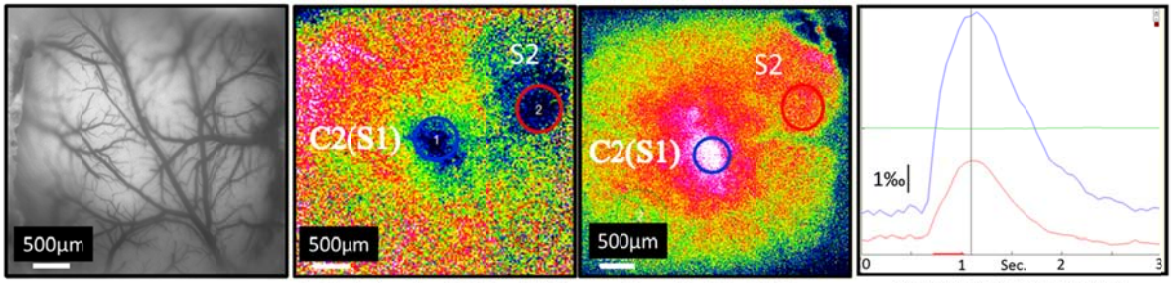
Optical Imaging Ltd.

SEEING THE INVISIBLE

Brain Imager 3001 Lynx – Turnkey System for **Low Light Level**

Applications (*in-vivo and In-vitro*):

- Imaging ***GCamP6 or Organic Calcium*** Probes.
- ***Flavo-Proteins*** Fluorescence Signals for ***Intrinsic Optical Imaging*** of Cortical Functional Architecture *in vivo*.
- *Finding the Region of Interest for* ***Targeting 2p Microscopes, Virus Injection, and Tracer Injections.***



Cortical Surface | Intrinsic Imaging C2 Map (605) | Flavo-Protein C2 Map | Flavo-protein Time Course

System Highlights:

- Coupled With a Powerful Computer for Selectable Online Digital Binning to Further Extend Effective Well Capacity.
- **Ultra-Low Light - CMOS (APS) Camera** High Sensitivity and low dark noise: A Winning Combination for Great Results without "Cooking" the Explored Brain!
- Full Lab Interface 24 BNC Connections for integration with lab equipment.
- **VDAQ** Software for Easy Data acquisition - Allows you to Design your Experiment and Control all the Laboratory Equipment**.**
- **WinMix** Software for Online and Offline Image Analysis.
- **LongDAQ** – continuous recording option-turnkey software for behaving monkeys.

Flexible Data Acquisition :

With a New High Resolution, High Well Depth CMOS Custom Made Camera, And With Extensive Binning and Area of Interest Options, Now **You** Can Control the Tradeoff Between Signal-To Noise, Frame Rate And Spatial Resolution— Choose The Right Settings For Your Experiment.

Camera Specifications	
Max. Resolution	1280x1024
Bit Depth	18 bit
Dynamic Range	85dB
QE	70% @ 600nm
Well Depth	17.5 ke$^-$

Frame Rates	
33 fps	1280x1024
60 fps	1280x570
100 fps	1280x340

Why Spend your Time Reinventing the Wheel- the Imager 3001

Designed by Scientists for Scientists is Your Solution!

www.opt-imaging.com info@opt-imaging.com