



## Brain Imager 3001S and 3001C – Turnkey Systems

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

- Finding the Region of Interest for **Targeting 2-photon Microscopes, Virus Injection, and Tracer Injections.**
- Imaging of Calcium Probes such as **GCaMP6.**
- **Intrinsic Optical Imaging** of Cortical Functional Architecture *in vivo.*
- **Flavo-Proteins** Fluorescence Signals for **Intrinsic Optical Imaging** of Cortical Functional Architecture *in vivo.*



### System Highlights:

- Coupled With a Powerful Computer for Selectable Online Digital Binning to Further Extend Effective Well Capacity.
- Extremely Low Noise CCD Camera - High Sensitivity and High Well Depth: Full Lab Interface 24 BNC Connections on the 3001S version
- **VDAQ** Software for convenient Data acquisition - Allows you to Design your Experiment and Control all the Laboratory Equipment (24 BNC With the **3001S** only 4 switchable with the **3001C**)
- **WinMix** Software for Online and Offline Image Processing
- **LongDAQ** – continuous recording option turnkey software
- **Master and Slave Modes** for behaving monkeys and other species

### Flexible Data Acquisition :

The **Imager 3001/S** is targeted at users who are primarily interested in **intrinsic imaging**. It is now also capable of fast-rate imaging of voltage sensitive dye signals, using signal averaging. The **Imager 3001/C** is targeted at users who are primarily interested in intrinsic imaging. It is based on our popular **Imager 3001/S** system, but the size has been reduced from 8U to 2U.

Camera Specifications	
Max. Resolution	1004x1004
Well Depth 1004x1004@5fps	380K e-
Bit Depth	12 bit
Dynamic Range	>60dB

Frame Rates and Resolutions	
25 Hz	1004x1004
30 Hz	1004x1004
50 Hz	1004x1004
75 Hz	502x502

**Don't Spend your Time Reinventing the Wheel- the Imager 3001  
Designed by Scientists for Scientists!**