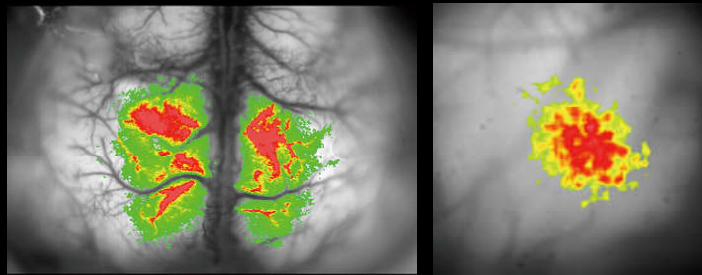
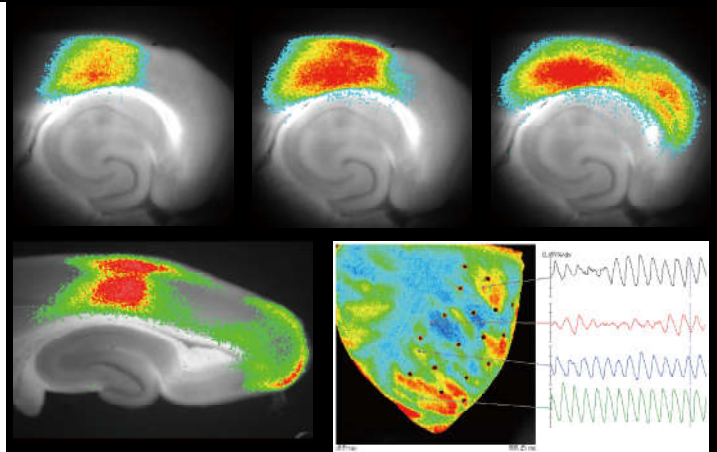
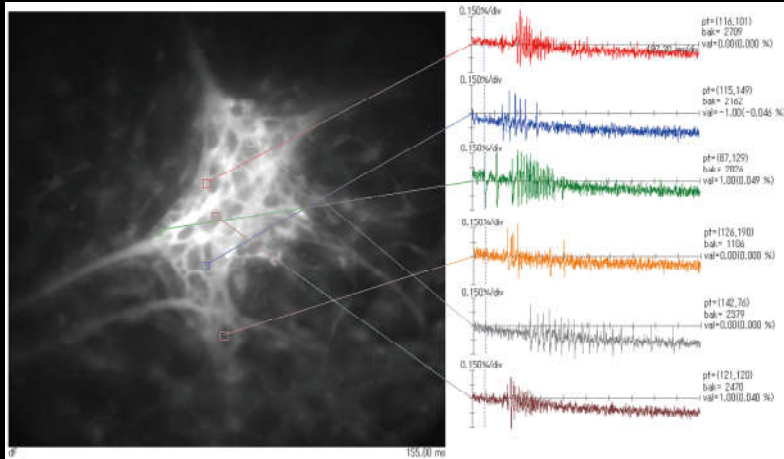


Wide-Field Optical Mapping with a Higher S/N Ratio

- Visualize neuronal activity and signal propagation in a wide field of view
- Map responsive area more accurately, prior to two-photon imaging

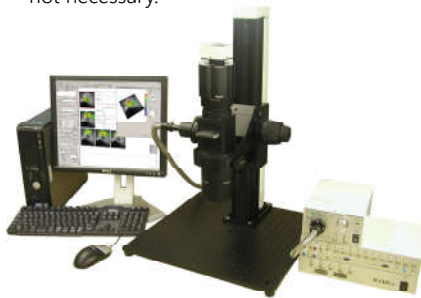


Applications:

- Voltage-Sensitive Dye Imaging
- Calcium Dye Imaging
- GCaMP Imaging
- Intrinsic Imaging
- Flavoprotein Autofluorescence Imaging

Turnkey System Ready for Immediate Use

Before use, calibration/setting/tuning is not necessary.

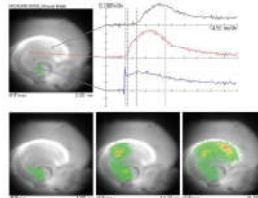


Hardware/Software Designed for High-Speed Fluorescence Imaging

Various I/O connectors, and improved compatibility with external devices



Easy data analysis with user-friendly software



Solve Your Problem with Custom-Made System

Various types of microscope stands



Q & A

Q : What is the total magnification available?

A : 0.32x - 6.3x

Q : What is the main feature of the system?

A : The system is specifically designed to detect very small changes in light levels at optimal high speeds, high resolution, and high signal to noise ratios.

Q : What is the maximum frame rate available?

A : MiCAM05 can image up to 1,818fps at 256x256 pixels, and MiCAM03 can image up to 1,000fps at 256x256 pixels (option to image up to 1,818fps is available).

Reference Papers

Many scientific papers using our system have been published for **20 years**.

Search keyword: "micam scimedia"
"micam brainvision"



Product List

High Speed Imaging System

MiCAM05-N256 / MiCAM03-N256



For detecting voltage, calcium, and intrinsic signals with the optimal combination of high speed, high resolution, and high S/N ratios.

- 256x256 pixels (1,900fps)
 - Long-term data acquisition with USB3.0
 - Various I/O connectors, and improved compatibility with external devices
-

High Resolution Imaging System

BV-XB1



For various imaging applications like calcium, intrinsic, GCaMP, FRET imaging

- 1920x1200 pixels and large sensor
 - ESTM-9 can synchronize image acquisition with inputs/outputs of external equipment.
-

Wide-Field Fluorescence Macroscope

THT



Extremely bright scope necessary for low-magnification fluorescence imaging

- Simple design specific for fluorescence imaging
 - Multifunction: used as fluorescence beam splitter
-

High-Powered LED Light Source

LEX2-LZ4



Brighter and more stable lighting for fluorescence imaging and photostimulation

- Blue (465nm) : output intensity 410mW/cm²
 - Green (530nm): output intensity 360mW/cm²
-

Multifunction Electrical Stimulator

ESTM-9



Stimulator for bioimaging
Easy to synchronize camera and peripheral devices

- Pulse outputs (4ch) / Analog outputs (2ch)
 - Analog recording (2ch)
 - External camera control / lighting control
-

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