

The nVista™ and nVista Essential System

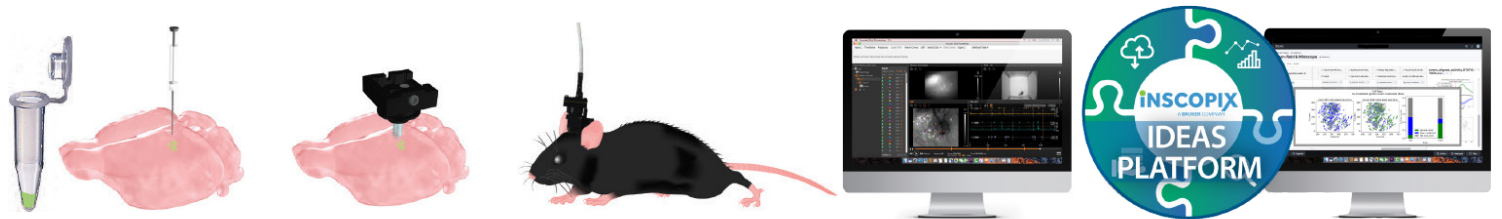
Capture dynamic brain activity with precision

Key benefits

- Visualize neuronal activity with a cellular resolution during free behavior
- Leverage advanced capabilities to explore new applications, including neurotransmitters, and bloodflow imaging
- Record longitudinal data within the same field of view over months

The Inscopix nVista system is the most versatile and published system for calcium imaging in freely behaving animals

Our miniscope platform allows for rapid and effective acquisition of fluorescent brain signals in freely behaving animals. This robust platform has allowed researchers to quickly execute, refine, and publish in various domains of neurocircuitry research and beyond. The application shown here is one of several approaches to express, visualize, record and analyze brain signals, including vascular and neurotransmitter changes over time.



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|---|---|--|---|--|
| Inject
Ready-to-Image Virus,
optimized for consistent,
dynamic GCaMP expression | Implant
ProView™
Integrated Lens | Attach & Image
Calcium or other brain
signal activity during free
behavior | Acquire Data
and behavior with
streamlined IDAS software | Process and Analyze
Imaging data and behavior with
intuitive analyses using
IDPS and IDEAS |
|---|---|--|---|--|

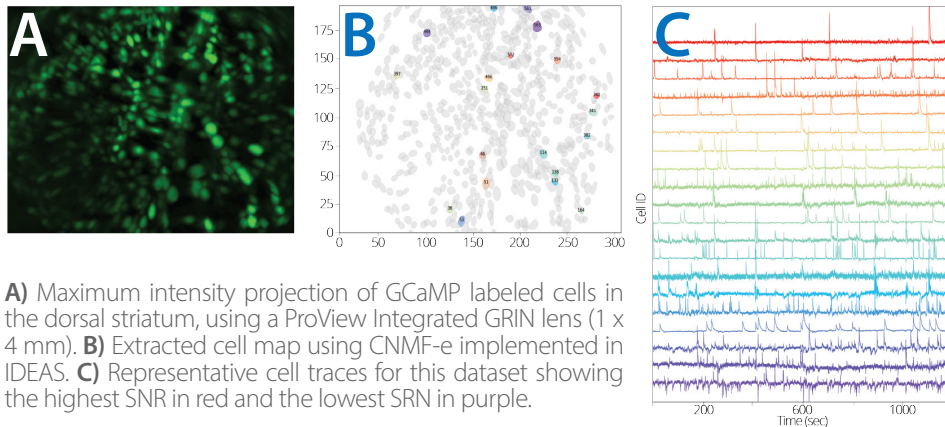
The most trusted miniscope system for neurocircuitry research.



The nVista and nVista Essential packages allow researchers to leverage the best commercial miniscopes for rapid, easy and efficient data collection. By offering a customizable or comprehensive package, users can choose the ideal solution tailored to their research.

Versatility and ease in one integrated system

Record from shallow to deep brain regions with confidence, using compatible ProView Integrated Lenses and workflow to ensure high surgical yield, even in difficult regions. Use the highest frame rate to image fast transients or capillary flow during completely free behavior.



A decision made simple, and cost effective

The following table provides researchers with information about the best package to suit their laboratory needs.

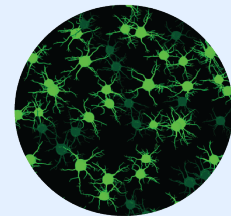
Description	nVista Essential	nVista
nVista miniscope camera	✓	✓
nVista DAQ computer	✓	✓
IDAS acquisition software	✓	✓
ProView™ Implant Kit	✓	✓
Data analysis API	✓	✓
IDPS processing software		✓
IDEAS cloud-based software (1yr access)		✓
Online expert scientific support	(limited)	✓
Onsite expert scientific support		✓

Inscopix nVista System



Applications

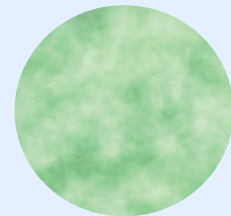
Calcium Activity



Blood Flow



Neurotransmitters



- dynamic indicator
- └─┘ blood vessel dynamics
- neurotransmitter sensor

Our Solution

- Biological reagents & accessories
- Cutting-edge instrumentation
- Powerful data processing
- Expert scientific support