Resource Summary Report

Generated by dkNET on Aug 26, 2026

ScanImage

RRID:SCR_014307
Type: Tool

Proper Citation

ScanImage (RRID:SCR_014307)

Resource Information

URL: http://scanimage.vidriotechnologies.com/

Proper Citation: ScanImage (RRID:SCR_014307)

Description: Open source software application for laser scanning microscopy, electrophysiology, laser scanning photostimulation, and other physiological methods focused on neurobiology. Used to control laser scanning microscopes without need for custom data acquisition hardware. Standard data acquisition boards are used to acquire data and control laser scanning. The tasks of signal integration and image processing are placed on the computer CPU. Multiple versions of ScanImage are available, each with their own features.

Synonyms: Scan Image, ScanImage

Resource Type: data acquisition software, data processing software, signal processing software, software application, software resource

Defining Citation: PMID:12801419

Keywords: Laser, scanning, microscopy, electrophysiology, photostimulation, neurobiology, control, data, acquisition, BRAIN Initiative

Availability: Restricted

Resource Name: ScanImage

Resource ID: SCR_014307

Alternate URLs: http://scanimage.vidriotechnologies.com/display/SIH/ScanImage+Home

License: ScanImage 5.x License

Record Creation Time: 20220129T080320+0000

Record Last Update: 20260821T194019+0000

Ratings and Alerts

No rating or validation information has been found for ScanImage.

No alerts have been found for ScanImage.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 876 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Ioffe ML, et al. (2026) Single-Cell Perturbations Reveal Selective Modulation of Causal Connectivity During Decision-Making. bioRxiv : the preprint server for biology.

Osaki T, et al. (2026) Early differential impact of MeCP2 mutations on functional networks in Rett syndrome patient-derived human cortical organoids. Nature communications, 17(1).

Mitra S, et al. (2026) To jump or not to jump: comparing effects of phenotypic plasticity on the visual responses and escape behavior of locusts and grasshoppers. Journal of neurophysiology, 135(1), 312.

Izadi E, et al. (2026) Increased synaptic turnover in injured cortical axons: exploring the role of SARM1 ablation. Frontiers in synaptic neuroscience, 18, 1741328.

Wang Z, et al. (2026) Energetic diversity in retinal ganglion cells is modulated by neuronal activity and correlates with resilience to degeneration. Nature communications, 17(1).

Lu S, et al. (2026) Astrocytes and neurons exhibit partially shared but distinct composite receptive fields for natural stimuli. Journal of neurophysiology, 135(2), 382.

Pratt BG, et al. (2026) Proprioceptive limit detectors contribute to sensorimotor control of the Drosophila leg. Nature communications, 17(1).

Aggarwal A, et al. (2026) Glutamate indicators with increased sensitivity and tailored deactivation rates. Nature methods, 23(2), 417.

Peters J, et al. (2026) The representation of omitted sounds in the mouse auditory cortex. Nature communications, 17(1).

Hong N, et al. (2026) Multimodal Optical Imaging and Modulation with Simultaneous Electrophysiology Through Smart Dura in Non-Human Primates. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(25), e14419.

Tarchick M, et al. (2026) Adapting a Two-Photon Scanning Microscope for Simultaneous Single-Photon Imaging of an Infrared Dopamine Sensor. eNeuro, 13(5).

Moberg S, et al. (2026) Distinct roles of cortical layer 5 subtypes in associative learning. Nature communications, 17(1).

Zhang JF, et al. (2026) Sensitive and Selective Next-Generation FRET-based PKA Biosensors. bioRxiv : the preprint server for biology.

Li C, et al. (2026) Vulnerability of short-term memory in a mouse model of Alzheimer's disease. Nature communications, 17(1).

Herzog T, et al. (2026) A heterogeneous population code at the first synapse of vision. Nature communications, 17(1).

Machá? R, et al. (2026) Characterisation of the signal to noise ratio of 2-photon microscopes. Scientific reports, 16(1).

Benoit CM, et al. (2026) Axon initial segment dynamics during associative fear learning. Nature neuroscience, 29(3), 535.

Özmen M, et al. (2026) Homotypic dendritic interactions constrain growth and receptor distribution in Drosophila T4 neurons without affecting orientation or function. Development (Cambridge, England), 153(7).

Bergdolt L, et al. (2026) Contribution of astrocytic calcium signaling to auditory hypersensitivity in a mouse model of fragile X syndrome. Neurobiology of disease, 222, 107355.

Sun S, et al. (2026) Visual experience drives functional reorganization of cortical GABAergic circuits. bioRxiv : the preprint server for biology.