Resource Summary Report

Generated by T1D on Aug 1, 2026

E-Scope

RRID:SCR_025396
Type: Tool

Proper Citation

E-Scope (RRID:SCR_025396)

Resource Information

URL: https://github.com/Aharoni-Lab/Ephys-Miniscope

Proper Citation: E-Scope (RRID:SCR_025396)

Description: Miniaturized calcium imaging microscope with integrated dense electrode technology for synchronous acquisition of neural activity across distant regions of the brain. Device based off open-sourced UCLA Miniscope to synchronously measure single cell activity at or near spike-time resolution across distant brain regions in freely behaving mice. Used to perform calcium imaging, with dense electrode electrophysiological recording, allowing simultaneous recordings from two remote brain regions in freely behaving mouse.

Resource Type: source code, software resource, instrument resource

Defining Citation: PMID:37066345

Keywords: OpenBehavior, miniatured microscope, calcium imaging microscope, microscope, synchronous acquisition, freely behaving mice, neural activity, brain distant regions, synchronously measure single cell activity,

Funding: NICHD P50HD103577;
NINDS U01NS122124;
NINDS R01NS090930;
NINDS 1R61NS119708;
NSF NeuroNex Award

Availability: Free, Available for download, Freely available

Resource Name: E-Scope

Resource ID: SCR_025396

Alternate URLs: http://miniscope.org/index.php/Main_Page, https://edspace.american.edu/openbehavior/?s=E-Scope

Record Creation Time: 20240606T053247+0000

Record Last Update: 20260801T042933+0000

Ratings and Alerts

No rating or validation information has been found for E-Scope.

No alerts have been found for E-Scope.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Zhou YQ, et al. (2024) Vector coding and place coding in hippocampus share a common directional signal. Nature communications, 15(1), 10630.