

Resource Summary Report

Generated by SPARC SAWG on Sep 16, 2026

VVD Viewer

RRID:SCR_021708

Type: Tool

Proper Citation

VVD Viewer (RRID:SCR_021708)

Resource Information

URL: https://github.com/takashi310/VVD_Viewer

Proper Citation: VVD Viewer (RRID:SCR_021708)

Description: Open source application, built upon FluoRender, for visualization and analysis of 3D/4D datasets. Also supports advanced segmentation.

Resource Type: data analysis software, data processing software, data visualization software, software application, software resource

Keywords: Interactive rendering, confocal microscopy data, 3D/4D datasets, advanced segmentation

Availability: Free, Available for download, Freely available

Resource Name: VVD Viewer

Resource ID: SCR_021708

License: MIT License

Record Creation Time: 20220129T080357+0000

Record Last Update: 20260912T200000+0000

Ratings and Alerts

No rating or validation information has been found for VVD Viewer.

No alerts have been found for VVD Viewer.

Data and Source Information

Usage and Citation Metrics

We found 19 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Shuai Y, et al. (2025) Driver lines for studying associative learning in Drosophila. eLife, 13.

Ye D, et al. (2024) Changes in the cellular makeup of motor patterning circuits drive courtship song evolution in Drosophila. bioRxiv : the preprint server for biology.

Dong P, et al. (2024) Cohesin prevents cross-domain gene coactivation. Nature genetics, 56(8), 1654.

Imoto K, et al. (2024) Neural-circuit basis of song preference learning in fruit flies. iScience, 27(7), 110266.

Sanfilippo P, et al. (2024) Mapping of multiple neurotransmitter receptor subtypes and distinct protein complexes to the connectome. Neuron, 112(6), 942.

Ehrhardt E, et al. (2023) Single-cell type analysis of wing premotor circuits in the ventral nerve cord of Drosophila melanogaster. bioRxiv : the preprint server for biology.

Zhao A, et al. (2023) A comprehensive neuroanatomical survey of the Drosophila Lobula Plate Tangential Neurons with predictions for their optic flow sensitivity. bioRxiv : the preprint server for biology.

Yamada D, et al. (2023) Hierarchical architecture of dopaminergic circuits enables second-order conditioning in Drosophila. eLife, 12.

Zhang J, et al. (2023) Asymmetric Presynaptic Depletion of Dopamine Neurons in a Drosophila Model of Parkinson's Disease. International journal of molecular sciences, 24(10).

Aso Y, et al. (2023) Neural circuit mechanisms for transforming learned olfactory valences into wind-oriented movement. eLife, 12.

Baker CA, et al. (2022) Neural network organization for courtship-song feature detection in Drosophila. Current biology : CB, 32(15), 3317.

Klapoetke NC, et al. (2022) A functionally ordered visual feature map in the Drosophila brain. Neuron, 110(10), 1700.

Lei Z, et al. (2022) A neural circuit linking learning and sleep in Drosophila long-term memory. Nature communications, 13(1), 609.

Engert S, et al. (2022) Drosophila gustatory projections are segregated by taste modality and connectivity. eLife, 11.

Kind E, et al. (2021) Synaptic targets of photoreceptors specialized to detect color and skylight polarization in *Drosophila*. *eLife*, 10.

Sterne GR, et al. (2021) Classification and genetic targeting of cell types in the primary taste and premotor center of the adult *Drosophila* brain. *eLife*, 10.

Chen C, et al. (2021) Functional architecture of neural circuits for leg proprioception in *Drosophila*. *Current biology : CB*, 31(23), 5163.

Bidaye SS, et al. (2020) Two Brain Pathways Initiate Distinct Forward Walking Programs in *Drosophila*. *Neuron*, 108(3), 469.

Wang F, et al. (2020) Circuit and Behavioral Mechanisms of Sexual Rejection by *Drosophila* Females. *Current biology : CB*, 30(19), 3749.