Resource Summary Report

Generated by SPARC SAWG on Sep 17, 2026

VPixx: PROPixx

RRID:SCR_013299
Type: Tool

Proper Citation

VPixx: PROPixx (RRID:SCR_013299)

Resource Information

URL: https://vpixx.com/hardware/projector/

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Description: Unique DLP LED projector which has been designed to be the most flexible display solution for vision research and neuroscience research. The PROPixx features a native resolution of 1920 x 1080, and can be driven with refresh rate up to 500Hz with deterministic timing. The PROPixx uses high brightness LEDs as a light source, giving a wide colour gamut and much longer lifetime than halogen light sources. It features high-bit depth, up to 12-bit per color for high-frequency full colour stimulation. For stereo vision applications, our high-speed ferro-electric circular polarizer can project stereoscopic stimuli with the use of passive glasses at up to 400Hz. In addition the PROPixx includes an array of peripherals which often need to be synchronized to video during an experiment, and with perfect microsecond precision.

Abbreviations: PROPixx

Synonyms: PROPixx DLP LED projector

Resource Type: instrument resource

Keywords: eeg, experiment control, eye tracking, hardware, meg, physiological recording, physiological stimulation, response monitoring, scanner, stimulus presentation, led projector, vision, stimulus, eye tracking device, instrument, equipment

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_013299.pdf

Resource Name: VPixx: PROPixx

Resource ID: SCR_013299

Alternate IDs: nlx_155833

Alternate URLs: http://www.nitrc.org/projects/dlp_projector, https://vpixx.com/products/propixx/

Old URLs: http://www.vpixx.com/products/visual-stimulus-displays/propixx.html, https://drive.google.com/file/d/1Z4L7u0OI-gCSTAZXouo8XL8t6FEFVInF/view

Record Creation Time: 20220129T080315+0000

Record Last Update: 20260912T195801+0000

Ratings and Alerts

No rating or validation information has been found for VPixx: PROPixx.

No alerts have been found for VPixx: PROPixx.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 92 mentions in open access literature.

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

Terzo C, et al. (2026) Saccade-synchronized alpha rhythms predict strength of memory trace of stimulus orientation. BMC biology, 24(1).

Eicke-Kanani L, et al. (2026) Predictive visual uncertainty around moving trajectories influences causality judgments in launching displays. i-Perception, 17(3), 20416695261452128.

Flachot A, et al. (2026) Deep neural networks trained for estimating reflectance and illumination achieve lightness constancy differently than human observers. Journal of vision, 26(2), 11.

Hou YS, et al. (2026) Distinct sources of decision-related signals in visual cortex are represented in different local field potential bands. PLoS biology, 24(6), e3003873.

Levinson M, et al. (2026) Hierarchical brain dynamics supporting visual perceptual transitions. Science advances, 12(19), eaea3919.

Grabot L, et al. (2025) Traveling waves in the human visual cortex: An MEG-EEG model-based approach. PLoS computational biology, 21(4), e1013007.

Westner BU, et al. (2025) Typical neural adaptation for familiar images in autistic adolescents. Imaging neuroscience (Cambridge, Mass.), 3.

Baykan C, et al. (2025) Electroencephalographic Responses to the Number of Objects in Partially Occluded and Uncovered Scenes. Journal of cognitive neuroscience, 37(1), 227.

Deligiannis E, et al. (2025) Binocular cues to 3D face structure increase activation in depth-selective visual cortex with negligible effects in face-selective areas. Journal of vision, 25(11), 6.

Mahncke S, et al. (2025) The visibility of Eidolon distortions in things and stuff. Journal of vision, 25(8), 12.

Tonelli A, et al. (2025) Sensory reliability takes priority over the central tendency effect in temporal and spatial estimation. Scientific reports, 15(1), 38886.

Park J, et al. (2025) Hippocampal systems for event encoding and sequencing during ongoing narrative comprehension. Communications biology, 8(1), 954.

Araya J, et al. (2025) Differential lateralization to faces in infants at risk of autism spectrum disorder with expressive language delay. PCN reports : psychiatry and clinical neurosciences, 4(1), e70054.

Tonelli A, et al. (2025) Continuous tracking of audiovisual motion. Journal of vision, 25(10), 10.

Chen ??? PS, et al. (2025) Area MT carries acceleration information in a quickly and directly decodable representation. bioRxiv : the preprint server for biology.

Arora K, et al. (2025) Dissociating external and internal attentional selection. iScience, 28(4), 112282.

Wen P, et al. (2025) Functional Localization of Visual Motion Area FST in Humans. Imaging neuroscience (Cambridge, Mass.), 3.

Mengers V, et al. (2025) A robotics-inspired scanpath model reveals the importance of uncertainty and semantic object cues for gaze guidance in dynamic scenes. Journal of vision, 25(2), 6.

Abu Haila T, et al. (2025) Recent consumer OLED monitors can be suitable for vision science. Journal of vision, 25(2), 11.

Bachtoula O, et al. (2025) Center-surround motion interaction between low and high spatial frequencies under binocular and dichoptic viewing. Journal of vision, 25(8), 15.