

Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 2026

VPixx: VIEWPixx /3D

RRID:SCR_009646

Type: Tool

Proper Citation

VPixx: VIEWPixx /3D (RRID:SCR_009646)

Resource Information

URL: <https://vpixx.com/products/viewpixx-3d/>

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Description: VIEWPixx /3D (VPixx Technologies) is a 1920x1080 resolution, 120 Hz, calibrated research-grade LCD monitor. It is designed for stereoscopic (3D) stimulus presentation and other high-dynamic vision-science paradigms where deterministic timing and synchronized I/O are critical. It pairs fast-response industrial TN LCD glass with a custom VPixx panel/video controller and a scanning direct-RGB LED backlight engineered to reduce motion artifacts/ghosting/crosstalk, and to improve spatial uniformity, while bypassing consumer “enhancement” processing for predictable experimental output. For stereoscopic workflows, VIEWPixx /3D supports 120 Hz frame-sequential 3D (60 Hz/eye) when used with 3DPixx active shutter glasses (RF emitter + glasses kit), and it can provide a dual-link DVI console output to mirror the participant's view without adding GPU load. The system is also a synchronized display + acquisition toolbox: integrated button-box interface, 24-channel TTL triggers, stereo audio I/O, and a full analog I/O subsystem are implemented on the same board as video control to enable microsecond-precision synchronization to video refresh—useful for EEG triggers, reaction-time tasks, and other timing-sensitive paradigms. In terms of bit depth, the VIEWPixx /3D is native 8 bits per colour, with support for 10-bit resolution per RGB channel via custom video modes.

Synonyms: VIEWPixx / 3D, VIEWPixx/3D

Resource Type: instrument resource

Keywords: domain independent, experiment control, hardware, physiological recording, physiological stimulation, response monitoring, stimulus presentation, vision, visual stimulus

Resource Name: VPixx: VIEWPixx /3D

Resource ID: SCR_009646

Alternate IDs: nlx_155973

Alternate URLs: http://www.nitrc.org/projects/replacement_crt

Old URLs: <http://www.vpixx.com/products/visual-stimulus-displays/viewpixx-3D.html>

Record Creation Time: 20220129T080254+0000

Record Last Update: 20260725T191328+0000

Ratings and Alerts

No rating or validation information has been found for VPixx: VIEWPixx /3D.

No alerts have been found for VPixx: VIEWPixx /3D.

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 [PRECISE-TBI](#) .

Fournier J, et al. (2018) Spatial Information in a Non-retinotopic Visual Cortex. Neuron, 97(1), 164.