

Resource Summary Report

Generated by [T1D](#) on Jul 31, 2026

NIRSPORT

RRID:SCR_014541

Type: Tool

Proper Citation

NIRSPORT (RRID:SCR_014541)

Resource Information

URL: <http://nirx.net/nirsport/>

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Description: A commercial cap product that records fNIR signals from the participant. NIRSport integrates for concurrent measurements with EEG, fMRI, eye-tracking, cochlear implants, TMS, tDCS, EMG, pulse oximetry, and other modalities for concurrent measurements. Researchers can conduct tandem studies with two separate systems synchronized to operate simultaneously.

Resource Type: software resource

Keywords: commercial, cap, fnir, nirx, wearable system, device

Availability: Commercial product

Resource Name: NIRSPORT

Resource ID: SCR_014541

Record Creation Time: 20220129T080321+0000

Record Last Update: 20260725T190804+0000

Ratings and Alerts

No rating or validation information has been found for NIRSPORT.

No alerts have been found for NIRSPORT.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Sijben R, et al. (2025) Wavelet Analysis of Dual-fMRI-Hyperscanning Reveals Cooperation and Communication Dependent Effects on Interbrain Neuronal Coherence. Human brain mapping, 46(14), e70355.

Lim M, et al. (2024) Culture, sex and social context influence brain-to-brain synchrony: an fNIRS hyperscanning study. BMC psychology, 12(1), 350.

Rahrig H, et al. (2024) Managing emotions in the age of political polarization: A randomized controlled trial comparing mindfulness to cognitive reappraisal. Research square.

Kaddis JS, et al. (2022) Improving the Prediction of Type 1 Diabetes Across Ancestries. Diabetes care, 45(3), e48.

Mazziotti R, et al. (2022) The amplitude of fNIRS hemodynamic response in the visual cortex unmask autistic traits in typically developing children. Translational psychiatry, 12(1), 53.

St George RJ, et al. (2021) Functional Near-infrared Spectroscopy Reveals the Compensatory Potential of Pre-frontal Cortical Activity for Standing Balance in Young and Older Adults. Neuroscience, 452, 208.

Tang X, et al. (2021) Image-Based Machine Learning Algorithms for Disease Characterization in the Human Type 1 Diabetes Pancreas. The American journal of pathology, 191(3), 454.

Petrelli A, et al. (2021) Modulation of Leukocytes of the Innate Arm of the Immune System as a Potential Approach to Prevent the Onset and Progression of Type 1 Diabetes. Diabetes, 70(2), 313.

Hiller H, et al. (2021) Altered cellular localisation and expression, together with unconventional protein trafficking, of prion protein, PrPC, in type 1 diabetes. Diabetologia, 64(10), 2279.

Sharp RC, et al. (2021) The Immunoregulatory Role of the Signal Regulatory Protein Family and CD47 Signaling Pathway in Type 1 Diabetes. Frontiers in immunology, 12, 739048.

Foster TP, et al. (2020) Exocrine Pancreas Dysfunction in Type 1 Diabetes. Endocrine practice : official journal of the American College of Endocrinology and the American Association of Clinical Endocrinologists, 26(12), 1505.

Vrana A, et al. (2016) Different mechanosensory stimulations of the lower back elicit specific changes in hemodynamics and oxygenation in cortical sensorimotor areas-A fNIRS study. Brain and behavior, 6(12), e00575.