

NordicNeuroLab fMRI Hardware System

Whether you are looking for an easy-to-use clinical turnkey solution, a versatile research system, or both, the NNL fMRI Hardware System meets the requirements of all users. Our hardware system offers a fully integrated solution for audio-visual stimulus presentation, response collection, and experiment synchronization.



VisualSystem

The NNL VisualSystem is a sophisticated and flexible solution for presenting high-quality visual stimuli in the MR scanner. The system is easy to install and operate and is compatible with most head coils. With stereo/3D capabilities and integrated diopter correction, the NNL VisualSystem is the superior solution for both clinical and research MR facilities. The VisualSystem is also available with an integrated EyeTracking Camera.



ResponseGrip

The NNL ResponseGrip is a fiber-optic subject response device developed to satisfy the requirements of clinical and research users. Ergonomically designed for the use in either hand, the ResponseGrip is suitable for a wide range of experimental paradigms. The ResponseGrip is compatible with all leading software packages for stimulus presentation.



AudioSystem

The NNL AudioSystem is a high-precision solution for research and clinical fMRI. Its state-of-the-art electrostatic headphones with flat frequency response together with the user-friendly communication console allow the user to effortlessly control auditory stimulation.



SyncBox

One of the challenges in fMRI is to synchronize stimulus presentation with MR image acquisition. The NNL SyncBox provides an elegant solution for interfacing the MR scanner with the stimulus presentation PC. The SyncBox is compatible with all MR scanners and leading stimulus presentation software packages.



NNL Hardware Cabinet

The Hardware Cabinet is an ideal solution for the safe storage of the NNL fMRI Hardware System inside the magnet room. Made of MDF board with 2-component white painting, the cabinet can be placed outside the 20mT line, keeping the magnet room clean and leaving a minimal footprint (WxHxD: 50x90x55 cm; 40kg).



MR Simulator

The full-scale MR Simulator is a cost-effective solution for preparing patients for MRI and fMRI studies. Familiarization is essential for reducing the stress and discomfort commonly experienced inside the scanner. The system is delivered with built-in speakers for simulation of MR scanner noise. The MR Simulator can also be used to collect behavioral data in a compellingly realistic MR setting and to effectively train new personnel in an inexpensive, safe, and controlled environment.



NordicNeuroLab

www.nordicneurolab.com



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NordicNeuroLab

making functional MRI easy