

Lifelines Neuro Shines a Light with the DT Research Tablet as Part of the Trackit Solo



Lifelines Neuro Company, LLC, a private company in the SME sector, specializes in providing innovative neurodiagnostic solutions tailored to healthcare professionals and researchers globally. Established in 2001, the company has garnered a reputation for excellence in the field of Neurodiagnostic, offering a comprehensive range of products and services designed to enhance diagnostic accuracy and patient care. Lifelines Neuro designs, manufactures, and distributes advanced EEG systems and software solutions catering primarily to healthcare providers, research institutions, and hospital systems worldwide, supporting both clinical diagnostics and academic research in neuroscience.

The Challenge

Lifelines Neuro knows their customers well and were well-aware of the need in the market for a cost-effective, reliable, robust EEG video system that enabled an easy set up and would minimize patient interference. They wanted to provide a lightweight, robust, encapsulated video system that patients wouldn't be able to tamper with, that gave out high quality video while recording EEG. Patient tampering with video and EEG devices can make it more difficult for medical professionals to get the best

understanding of the recordings that they review when assessing patient records. Designing a video solution that prevents tampering alleviates the burden on the medical profession.

They wanted to move away from EEG kits that come in multiple parts, were bulky, were unwieldy and took a long time to set up. They needed a solution that would prevent patients from interfering with their study causing disruptions for their medical provider. In addition, previous EEG video solutions based on commercial laptops were problematic, as the laptop design would change regularly, resulting in a need to constantly change their product.

After consulting with key customers and clinicians to determine what features they would like to see in an ideal ambulatory solution, they realized the need for a powerful system that would easily integrate into an enclosed portable kit. They used feedback to improve their experience by designing features that benefited multiple use cases and environments.

Lifelines Neuro looked at many tablets on the market, but found many did not fit their needs. They considered other tablets for the Trackit Solo but found them bulky and not suited for the application. Other tablets were poor quality, large, heavy, associated software was insufficient and lacked customer service.



The Solution

The DT301MD Medical tablet with 10.1" touchscreen was selected based on size and specifications. In addition, DT Research's commitment to retain the same form factor allowed Lifelines Neuro to design the tablet into their solution with confidence. There was no risk of the product changing and leading to more design changes.

Lifelines Neuro choose DT Research tablets for their durability, customization options, security features, long-term support, advanced performance, and user-friendly design; all of which contribute to improving operational efficiency, and ultimately, patient care outcomes.

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DT Research have provided excellent support throughout the design and manufacturing process of the Trackit Solo.

Case Study

Medical solution/ Healthcare

The Trackit Solo video kit, designed with the 10" DT Research medical tablet, is the latest ambulatory video EEG solution that is portable, versatile, and durable. It features an easy-to-clean outer shell that protects it from accidental damage. It delivers hospital-quality video EEG from the patient's home.

Lifelines Neuro offers web-based training for their ambulatory solutions by their expert Clinical Support Specialists. They provide it to the preferred staff for each customer. They train physicians, EEG techs, office staff, and others. Product support materials such as Best Practices and Recommended Component Management flyers are provided to each customer.

Results

The Trackit Solo has been welcomed by the market. The features of the DT Research tablet have greatly improved their customers' and patients' experience. Lifelines Neuro has been able to expand their offering for this specific video kit, due to this design being beneficial in multiple environments.

The Trackit Solo contributes significantly to Lifelines' product offering which drives revenue, and more-widely, the Solo enables faster and more informed decision-making processes for medical professionals. These benefits collectively support the company's growth,

profitability, and competitiveness in the market.

The Trackit Solo video EEG solution is light and portable, weighing just 12 pounds. Video is provided by the integrated HD camera, including infrared and nighttime illumination, and a protected lock screen prevents patients from interfering with the study. A carrying handle and shoulder strap add convenient transport through the patient's home. Internal battery backup allows the device to remain unplugged up to 3 hours. With a protective, easy to clean outer shell, the Trackit Solo offers fully integrated connectivity wirelessly and with hardwired Ethernet options.

The Trackit Solo video EEG solution stands out as a superior choice over its competitors for several reasons:

Integrated Video Capability: Trackit Solo combines EEG monitoring with synchronized video recording. This integration allows healthcare professionals to observe patient behavior alongside brain activity, providing a more comprehensive diagnostic tool compared to EEG solutions without video.

Ease of Use and Portability: Designed with usability in mind, Trackit Solo offers a user-friendly interface and is portable, allowing for flexible use in various clinical settings including hospitals, clinics, and in-home setups for

ambulatory monitoring.

Reliability and Accuracy: Lifelines Neuro is known for producing high-quality neurodiagnostic equipment. Trackit Solo maintains a reputation for reliability and accuracy in EEG recordings, crucial for precise diagnosis and treatment planning.

Support and Training: Robust customer support and training sessions, ensuring healthcare professionals are proficient in using Trackit Solo effectively, enhancing user confidence and minimizing operational challenges.

Customization and Flexibility: Customization options offered to meet specific clinical or research needs. This flexibility allows healthcare providers and researchers to tailor Trackit Solo to their unique requirements, enhancing its utility and value.



For more information regarding visit <https://lifelinesneuro.com/trackit-solo/>



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