

Deymed Engineering Advantages

At Deymed, we understand that hardware design is the foundation of any neurodiagnostic system. Our engineering team has spared no effort to develop products that attain the highest signal integrity as possible. The result is a product that will simplify your work and increase the quality of care that you are able to offer your patients.

Read below to learn more about Deymed's unique hardware features:



Fully Battery Operated:

Offering the highest signal quality possible, Deymed systems are designed to eliminate outside electrical noise by running 100% on batteries. Low amplitude signals will no longer be contaminated. Our design also includes superior battery optimization that allows your system to keep running for months on just a single charge.



High Sample Rates with DSP processor:

Designed with Digital Signal Processor technology, Deymed systems can sample at very high sample rates while producing optimized files that are typically 1/3 the file size of other systems. DSP operation also allows for advantages that analog systems can't match including changes to the filtering or sampling parameters in real-time.



Fiber Optical Isolation:

Designing systems with Optical isolation is not the easiest development route, but it greatly improves patient safety while also decreasing external electrical noise that can contaminate your recordings. This feature, combined with long-lasting battery operation, offers the latest technology for physiological recording devices.



Click N' Go Portability:

With Deymed systems there is no need to choose between a hospital cart or a portable system, now you can have both. Easily detach your system from the cart with a single click and be on-the-go with a laptop. This unique configuration does not require an external power source!



Always On Impedance:

Never wonder again if your patients connection is good during a recording due to Deymed's "always-on" impedance monitoring. This is yet another feature made possible due to our integrated DSP technology.

TruScan™ 32

EEG | SYSTEM

Product Specification:

● Number of channels	24, 32, 64, optional up to 128
● Bandwidth (+0 -3dB)16-450 Hz per channel
● Analog time constant	1s, optional up to 10s
● Equivalent input noise	1 μ Vp-p *)
● Analog sampling frequency	120 kHz
● IMR	140 dB
● Differential input impedance	1000 G Ω
● Power supply	High capacity battery
● Uninterrupted operation	up to 160 hours
● Dimensions (WxHxL)	90mm (3,5') x 35mm (1,4') x 140mm (5,5')
● Weight	350g

*) in bandwidth 0.1 Hz - 100 Hz with input impedance below 10 k Ω



www.deymed.com

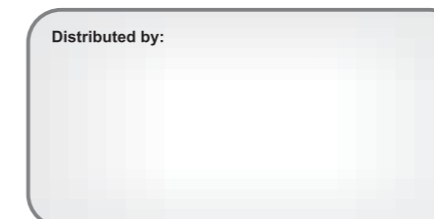
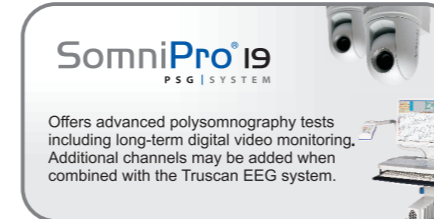
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Other Deymed products:



TruScan™ 32

EEG | SYSTEM



Technically advanced EEG system built for demanding clinical and research use. The system can be configured as a portable, clinical or long term monitoring station.



Report Generation:

The report generator includes a rich text interpretation editor with pre-saved phrase libraries of your most used sentences. Any on-screen waveforms may be included as well as brain maps or screen capture of other analysis tools. Reports are automatically saved in the patient



System Overview:

The TruScan system offers the latest in functionality for EEG systems in a small compact amplifier design that runs completely on batteries for months of use on a single charge. It's versatility allows it to be used in both portable and workstation scenarios. When used with a hospital cart, you can quickly detached the amplifier to go portable with a laptop. Great care has been taken to simplify the recording process by implementing a user interface that includes large buttons and no hidden menus. All controls are at your finger tips in this "Dashboard style" layout. Easily connect your system to a hospital network and share the patient records and database with any authorized comptuer. Overnight and LTM recordings include Remote Patient View that sends the video and EEG data over your network using UDP protocols. Optional upgrades include VEP, P300's and MPEG-4 synchronized video.

Product Features:

- Always-on impedance check for all electrodes
- Battery operation for superior signal quality
- Complete set of original Deymed accessories
- Unlimited custom montages
- System capable of up to 128 channel
- High resolution MPEG4 video
- Improved dual camera Sony PTZ video
- 300 hours of LTM recording
- USB connection for optical adapter
- Custom hospital cart with silent computer
- Back-up to DVD or removable disk
- Easy output of data for clinical presentations
- Integration to hospital network or IT system
- Export to other EEG/ERP data formats
- Networked video server for multiple-station
- VEP/P300 post-review
- BrainFedback add-on for Neurotherapy



Superior Results with Deymed:

Deymed systems have been developed with feedback from users like you. Our goal is to create products that makes your job easier, therefore we strive to continually improve and customize our systems to exceed your expectations. If there is any feature that you would like to see implemented, please let us know, that's what we're here for.



Service, Support and ePortal

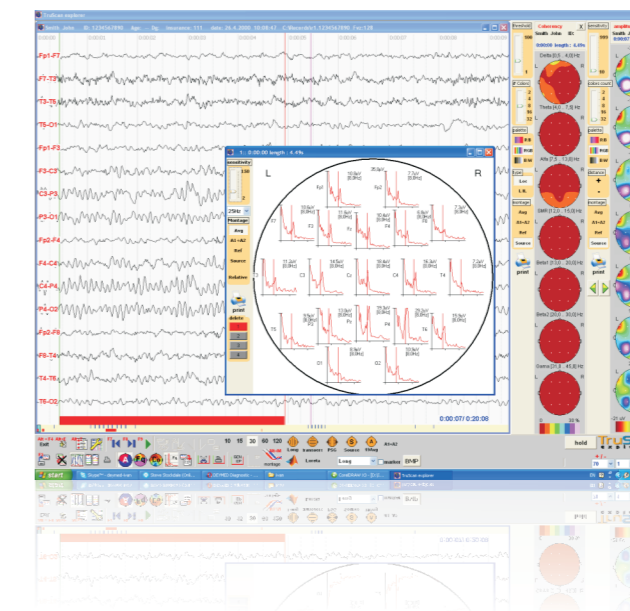
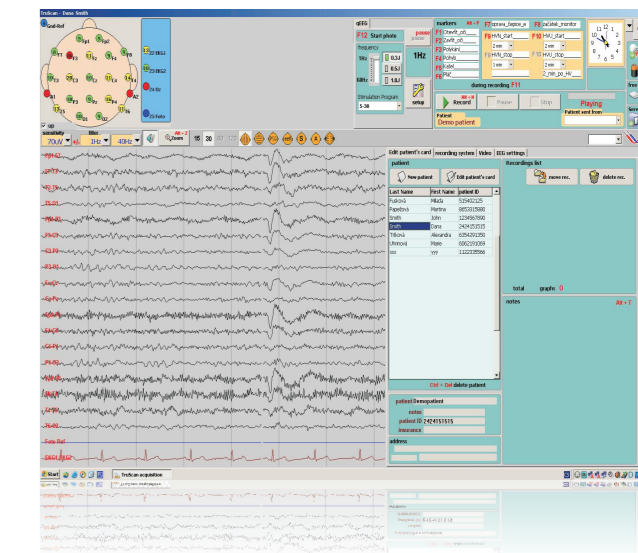
All Deymed systems are backed by a team of dedicated professionals that give world-class support utilizing the latest in service technology. Remote Desktop Control allows any internet connected system to be troubleshooted by a Deymed technician. In the event that the problem can't be solve, a service technician can always be sent on-site for full assistance.

In an effort to ensure all users are satisfied with their Deymed equipment, users are encouraged to visit the Deymed Service Portal where you may register an account for fast access to all your Deymed related needs. Some uses of the portal include entering trouble tickets or downloading the latest software for your device. You may also track your orders placed via the Deymed e-shop such as accessories, software upgrades or hardware add-ons. To find out more visit us at Deymed.com

Software Features

TruScan Acquisition

- Dashboard interface with large buttons
- Easy recording with minimal user setup
- Integrated patient database
- On-screen always-on impedance monitor
- visual drag and drop montage creation
- unlimited saved user montages
- programmable photo-stim setup with pre-sets
- P300, VEP and Neurofeedback modules
- Patient remote alarm and event trigger



TruScan Explorer:

- Full set of review tools including Brain Mapping
- EEG Traveler with CD/DVD Burning built-in
- Interpretation editor with custom phrase pre-sets
- Database with un-interpreted To-Do list
- Full search and sortable patient list
- LORETA, Matlab and Excel output of data
- Spectral Analysis overlay of multiple segments
- Synchronized frame by frame with video
- EP epoch generator with full post-analysis
- Common controls via keyboard shortcuts

Video Monitoring:

- Hi-Res PTZ cameras for close-up and full view
- Side-by-side dual view capture to one file
- Video trimming to save hard disk space
- Infra-red lamp for crystal-clear night time view
- High quality MPEG-4 video
- Remote Network Patient Viewer
- Multi-room monitoring (2 beds per viewer)
- Out-of-the box pre-wired video for fast install
- Mounts to Hospital cart for portability
- Directional microphone with high sensitivity

