

NR SIGN 5000 Q EEG

MONITORING TECHNICAL SPECIFICATION

Power

Power supply 110-220 V ~ , 50/ 60 Hz, 0.5A via isolated power supply
Isolation 4500 V

Amplifier

Number of channels 32 –128 CH EEG , 2 CH Surface EMG, and 1 CH ECG
Sensitivity 1-300uv/mm
Input impedance > 1000 MΩ
CMRR > 110 dB
Low pass filter > 0.1 Hz
High pass filter < 1 kHz
Notch Filter Optional 50/60 Hz

Interface (A/D)

Programmable Sample Rate 500- 2k sample/second
Resolution 16 bits

Photic Stimulator

Bright white/ Red - Flashing mode - 0-50 HZ
Low power consumption

Video Recording device

Camera type Optional
System of signal PAL/NTSC
Resolution >704x576
Video compression MPEG-2, MPEG-4 Part 2 (ISO/IEC 14496-2),
Motion JPEG

Push button Event

Reliable Finger touch switch

Software

Operating system Microsoft Windows XP-7 (32,and 64 bits)
Application software NR SIGN EEG

Computer

PC At least CPU: Intel Core 2 Quad- Q8200@ 2.33 GHz,
RAM: 4G, HDD: 1TB, VGA: 1024 MB.

Patient management (DB)

Specific feature Network-compatible SQL/ MS SQL patient data base

NR SIGN EEG 5000Q



NR SIGN EEG 5000Q has all you need for a Long term Video EEG monitoring. It is a strong, high quality, and user friendly system for working in the hospitals and Epilepsy centers. It has flexible configuration on 24, 32, 64, and 128 channels.



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V3B6T8

WWW.NRSIGN.CA



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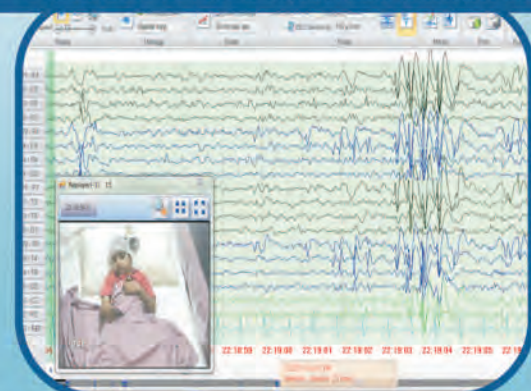
NR SIGN EEG 5000Q



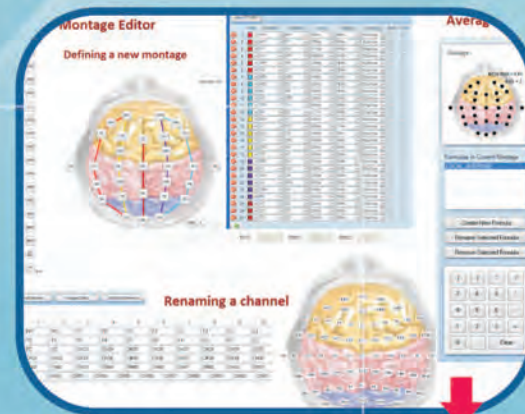
- ▶ Extra one ECG and two surface EMG channels.
- ▶ upgradable to PSG studies.
- ▶ High quality EEG, lightweight, and reliable.
- ▶ Noise reduction
- ▶ Very user friendly software such as Montage Editor, channel renaming, simple and complex averaging, Signal selection and annotation, Event summarizing and navigation.
- ▶ Long term EEG monitoring events at a glance.
- ▶ Reanalyzing such as re-sensitivity, filtering, montaging, Brain mapping, etc.
- ▶ On line access to the patients' data, and online control on EEG system by both recorders and readers stations via networking.
- ▶ Extra off line viewer software for presentation, etc.
- ▶ High quality and synchronized video acquisition and recording .
- ▶ Digital zoom for EEG signals and patients' video
- ▶ simultaneously recording and reviewing on one screen
- ▶ CE, ISO 13485, CMDCAS, FDA QRS certified



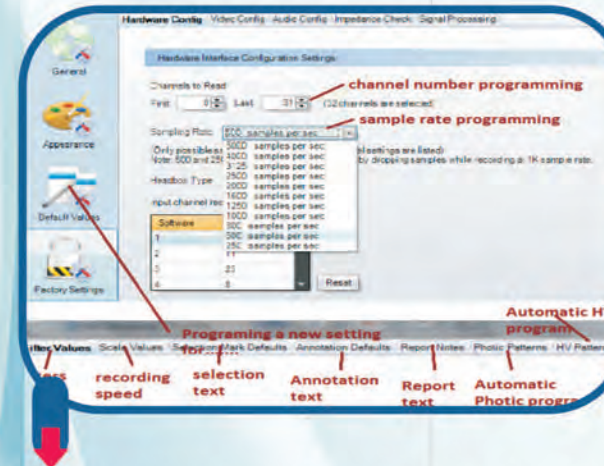
•NR SIGN INC's software's main screen



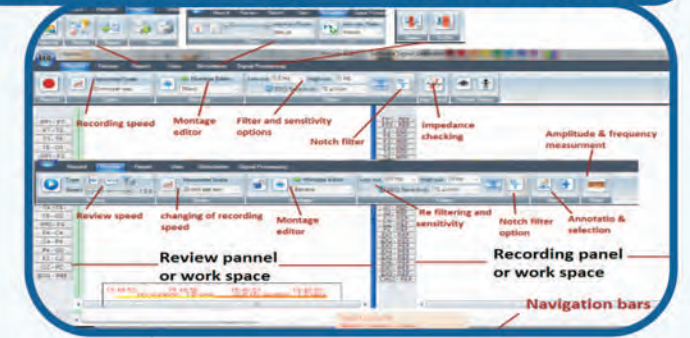
•Montage editor, channel rename, and Averager



•Recorder and reviewer panels and their options



- Changing all system's default values such as: channels number's, sample rates, impedance checking levels, new filters and sensitivities, Photic and HV stimulator automatic patterns, desired texts for annotation, selection, and final report.



- Long term event summarizing and navigating on the separate window and navigation bar

•A possible solution for a video EEG monitoring site

