

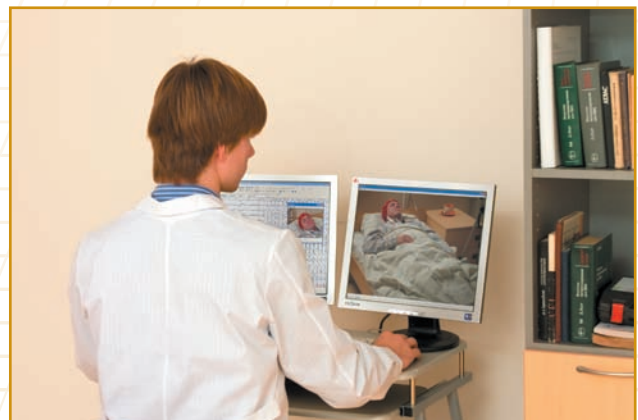
Neuron-Spectrum-Video

Long-term Video EEG Monitoring System



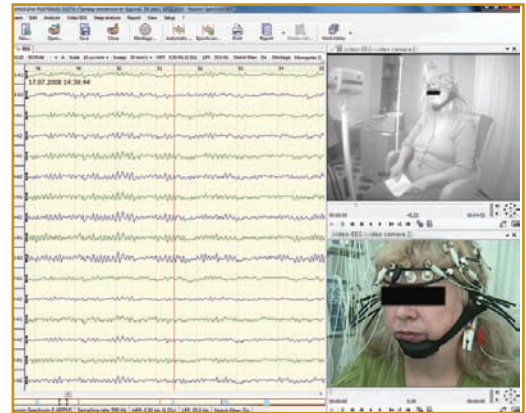
Neuron-Spectrum-Video software module allows performing the synchronous long-term recording of EEG, polygraphic channels, video from up to 3 cameras with position and zoom control from computer, and audio information from up to 3 microphones. The spheres of application are epileptology and polysomnography.

The recorded video EEG can be reviewed with normal, increased speeds or by frames. In the process of synchronous review the mutual positioning of EEG and video is possible. The program features also include the digital zoom (in/out) of the image fragments and editing of both EEG and video fragments. The module allows creating a disk with different fragments that are "cut" out of the long record, burning- them on CD or DVD together with the built-in review software. Such disk can be reviewed on any computer.

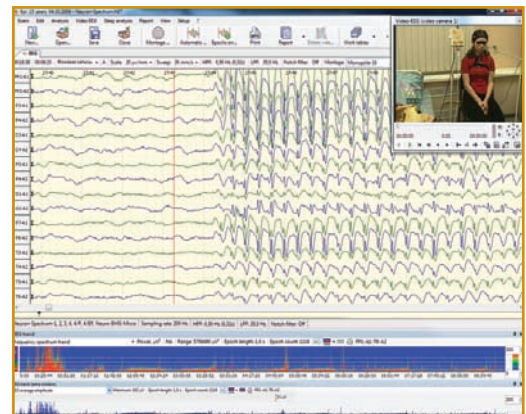


Features

- Synchronous long-term recording of EEG, video from up to 3 cameras, audio information from up to 3 microphones. The synchronization accuracy is 1 frame
- Control of camera position ("tracking") and zoom from computer, programming of up to 6 preliminary presets of camera position
- Night video monitoring with the use of special video camera or infrared highlighting
- Instantaneous compression of video image and audio information
- Marking the arbitrary events during the recording
- Synchronous review of the recorded EEG and video information on one (PiP) or two monitors with the normal or increased speeds, by frames
- Instantaneous positioning of video image by EEG temporal slice, electroencephalogram by video frame, instantaneous positioning to the selected event marker, video fragment or time slice
- Compressed (on one screen) representation of the recorded EEG (as trends of EEG parameters or pseudo-3D spectrum), instantaneous positioning on electroencephalogram with one mouse click on trend graph
- Wide capabilities to edit video record and both video record and EEG. The review program is distributed freely. Automatic review of recorded disks on any computer



Review of EEG and video from two cameras



Review of EEG, video and spectral trend

Delivery Set

- Video camera (on tripod) for day and night video monitoring with remote zoom control
- PCI video capture card
- Highly sensitive patient's microphone
- Stand for IR projector or highly sensitive patient's microphone
- Electrode system for long-term EEG recording (Electro-Cap)
 - Electrode cap for 19-channel EEG recording (Electro-Cap)
 - Body harness
 - Special needle for electrode fulfilment with gel
 - Electrode gel (bottle with dispenser 250 g)
- Electrode cap extension cable (only for Electro-Cap and Comby EEG)
- USB extension cable
- USB hub KM-7
- Neuron-Spectrum.NET software with video module for synchronous EEG and video recording, review, analysis, storage and editing
- User manual

* **Neuron-Spectrum-Video** software is included in delivery set of **Neuron-Spectrum-PSG** program for polysomnography study



Since 1992

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