

Digital Video for EEG and Sleep

Compumedics Digital Video is a plug-in software module to quickly and easily add synchronized digital video capabilities to Compumedics sleep and EEG systems. As with all Compumedics products, Digital Video incorporates the latest network and software technologies in order to offer the user a finely tuned, high performance application. This software product integrates seamlessly with Compumedics EEG and PSG data collection and review software packages.

Advanced Software and Hardware Compression Technology

- Accurate image reproduction
- Lowest possible data storage requirements
- H.264 for smooth LAN or WAN network viewing
- Simultaneous viewing from multiple sites on the network
- Record video simultaneously from two cameras
- No special processing hardware required
- High Resolution : up to 1080p

Compumedics

Compumedics is recognized around the world as a leader in integrating innovative technologies into its clinical systems. Examples of Compumedics' world leading technologies include:

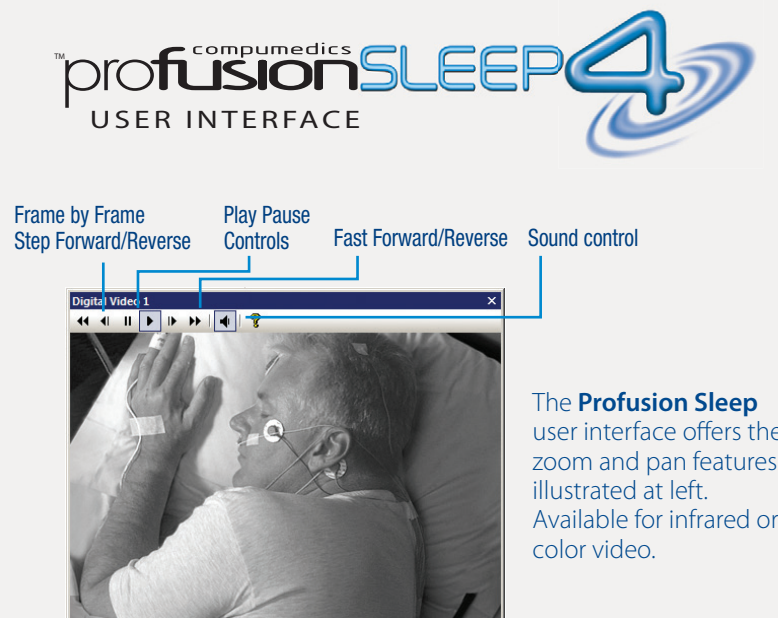
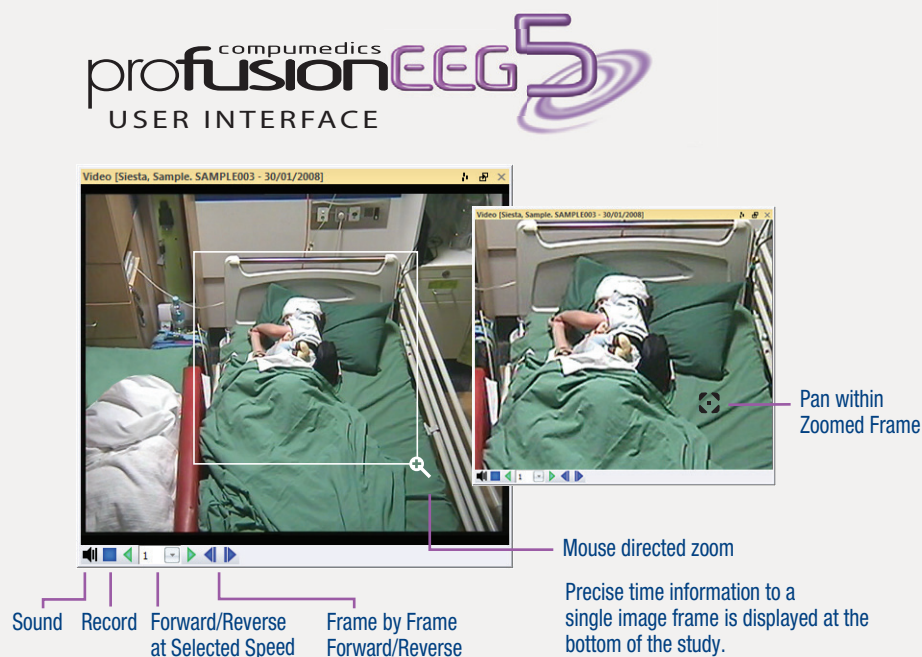
Grael 4K, the most advanced amplifier on the market today. The world's first High-Definition PSG/EEG amplifier that offers up to 60 Channels and sample rates of up to 4096 sps. Grael is specified for the most demanding sleep and epilepsy diagnostics or research facility.

Siesta, the world's first ambulatory physiological data recorder utilizing a real-time radio link for wireless data transmission.

Compumedics Digital Video has been an integral part of this superior product line up, and now improves its capabilities for superb image quality.



Compumedics started with a consistent and stable video recording platform, then developed multiple user interface options for data review. Each option includes review and control features important to each specific application.



Features:

32 Bit Network Performance

- Developed and validated on Windows® 7 and 10
- Network optimized algorithms H.264 software compression
- Collection of waveforms and Video on a notebook computer
- Optimized for intranet multicast viewing
- User selectable video storage location on the LAN
- Real-time remote viewing of video over the network
- Compumedics Digital Video recordings are formatted as standard Windows® compatible AVI files
- Option to display video on second computer monitor

Unparalleled Record/Review Features

- Selectable recording frame rates 1-30 FPS
 - full PAL at 25 frames per second
 - full NTSC at 30 frames per second or CIF (1/4 of PAL)
- Selectable image resolution: up to 1920 x 1080 pixels
- Mono or Stereo audio recording
- Selectable review speeds - from 0.1 to 8 times real time
- Frame by frame advance/reverse (Profusion EEG only)
- Video Image Zoom in and out
- Mouse wheel zoom control
- Full pan control within zoomed video image
- Full pan and zoom controls available during data collection and review
- Discrete video and waveform editing
- Video and raw data consolidation for CD/DVD archiving

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