Digital PSG Recording Features

- Produce a “50μV DC calibration signal for all channels.” Sleepscan VISION Collection provides the means to perform 50μV DC calibration signal “square wave cal” for all channels.
- View as Recorded & View as Scored modes are available in Sleepscan VISION Analysis.
- Selectable sampling rate for each channel. With patented Adaptive Sampling, Sleepscan VISION intuitively senses the incoming data frequency and stores the data efficiently for each channel, resulting in optimal visualization.
- Re-reference “on the fly” during recording. Any number of montages can be saved with Sleepscan Collection — resulting in the ability to re-reference with two mouse clicks.
- 20˝ monitor option provides 1600 x 1200 display resolution.
- Sleepscan Synchronized Video is accurate to one video frame per 1/30th second. The AASM Manual recommends “an accuracy of at least one video frame per second.”
- Summary Graph is customizable and capable of displaying Stages, Respiratory Events, Leg Movements, O₂ Sat. & Arousals information.
  - The Summary Graph cursor provides the ability to navigate through a study via clicking on the graph panels.
- Ability to differentiate between auto-analysis stages and user stages: In Sleepscan VISION Analysis, the stages appear on the Un-reviewed line (auto-analysis) or the Reviewed line (user-reviewed).

Parameters to be Reported for Polysomnography

- The Sleepscan VISION Report Generator provides the tools needed to meet all the recommended reporting parameters in the AASM scoring manual.

Technical & Digital Specifications

- Electrode impedance measurement is fast and easy — yielding numerical values for each input. Impedance may be measured before and during acquisition.

Digital Resolution:

- Recommended: 12 bits/sample
- Sleepscan: 22 bits/sample

Sampling Rates:

- Recommended: 1 Hz – 500Hz
- Sleepscan: up to 512 Hz

Routinely Recorded Filter Settings:

- Recommended: 0.1 – 10Hz – LF
  15 – 100Hz – HF
- Sleepscan: 0.01 – 15Hz – LF
  15 – 100Hz – HF