

# trackit video

*Ambulatory monitoring of EEG with time synchronised video*

trackit  
blue

Recording ID: Recording no. 1

Trackit Video provides an unobtrusive solution for the ambulatory monitoring of EEG with time synchronised video. The Trackit Blue wireless module gives time synch information to the video file to ensure accuracy down to the nearest frame; essential to correlate behavioural and physiological information.

Trackit Video is an extension that is available to enhance the functionality of all Trackit Ambulatory EEG recorders.

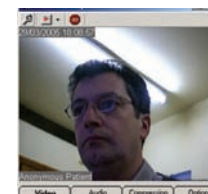
## Trackit Video provides an unobtrusive solution for the ambulatory monitoring of EEG with time synchronised video.

### Modes of operation:

- Synchronized video acquisition and recording
  - o EEG recorded on the Trackit with time synch information via cable or wireless sent to the video acquisition PC
  - o EEG and video recorded on the PC with the Trackit in "headbox" mode
  - o As above with periodic video recording via user intervention – each video segment is time synchronized to the corresponding EEG.
- Synchronized video playback

### Main features:

- Selective video capture with user intervention – each segment of video is time synchronised to the EEG file
- Support for a wide range of video capture codec's including INDEO 5.1, MPEG -4, WMV, uncompressed video, and MPEG using hardware capture devices with hardware encoding turned off.
- Accuracy down to 1 frame when using the synch file.
- Selectable frame rates and video compression when using MPEG and INDEO
- Automatic resynchronisation of the video when the Trackit goes in and out of range.
- Full data reformatting – re-filtering and re-montaging.
- Trackit has to be within a range of ~ 30 –40 metres to the PC for full synchronisation of EEG video to be ensured.
- User definable video file length – provides increased security and more manageable files for copying over a network. It also allows video files with no interesting findings to be easily deleted thus reducing the amount of data online.
- Time, date and patient ID stamp on the video
- Video Zoom feature in playback
- Snapshot capture mode for a record of the patient image
- Live monitoring of EEG and video on the host PC when recording in Ambulatory mode.



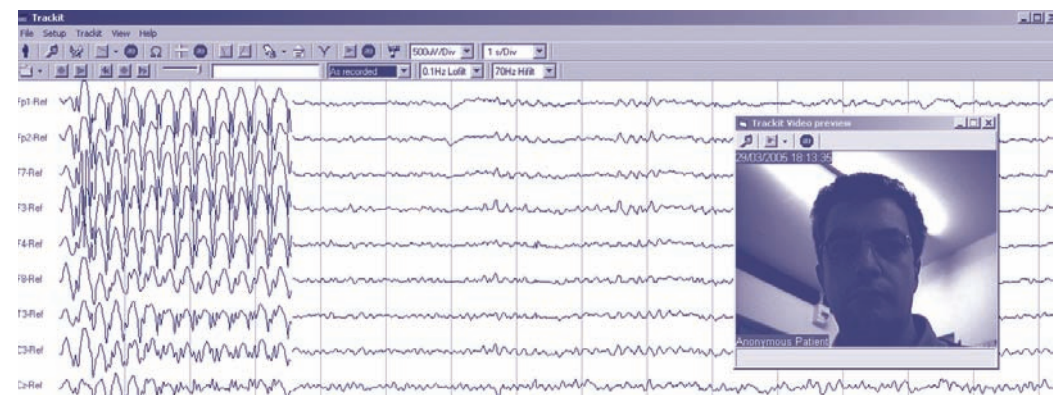
### Unique benefits:

- The only video EEG product available that provides complete and accurate synchronisation with ambulatory EEG
- A completely "fail safe" solution. No host connection problems to worry about, if the video stops or the PC goes offline the Trackit always records EEG.

### Typical usage scenario

Trackit video when used with the Trackit Blue wireless option provides unrivalled performance and flexibility for your video recording needs. Ideal applications include;

1. "Day Monitoring" of patients with Epilepsy to provide a more accurate appraisal of seizure symptomology over conventional ambulatory EEG. Trackit ambulatory EEG when used with Trackit Video provides a simple self contained solution that allows the patient freedom of movement, with minimum amount of administration and user intervention.
2. Trackit Video can be used in the patients home to accurately correlate behavioural information with the patients ambulatory EEG.



## Requirements

A Trackit with firmware version 2.10 or above for ambulatory EEG and video.

A Trackit Blue wireless module (part number 1048) for ambulatory EEG and video.

Trackit Plus software 2.5.x or above (part number 1047)

A PC with at least a 2GHz P4 or equivalent processor, USB 2.0 and a 100GB hard disk.

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