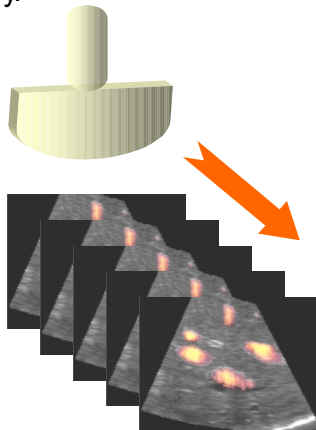


# InViVo-Lite

## Freehand 3D-Ultrasound & Panorama Tracker-Free Upgrade for any U/S Device

### The Principle

The video output of the conventional ultrasound device is connected with the frame grabber card in the PC. During data acquisition all images visible on the monitor of the ultrasound device, B-scan or colour, are digitised by the frame grabber and stored in the main memory.



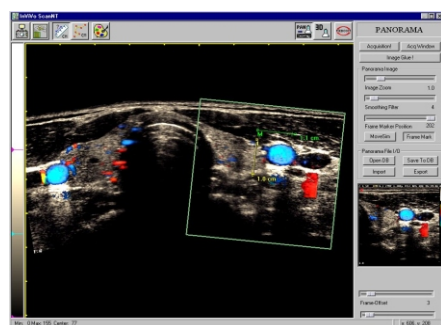
The physician scans the area moving the transducer smoothly and with constant speed. No tracker necessary. The digitised sequence of images is converted to a volume data set.

Any modern conventional ultrasound device can be upgraded to a tomographic system with full 3D acquisition and visualisation capabilities.



### Application Areas

- Ob/Gyn
- Abdominal scans
- Angiology
- Radiology
- NEW: Panorama



## Features & Benefits

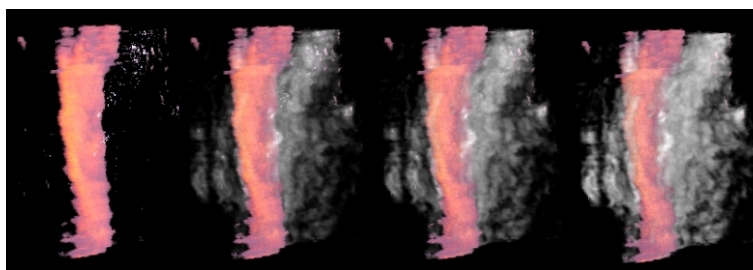
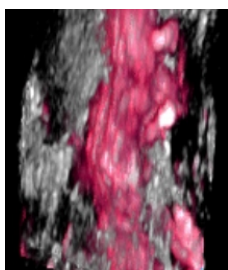
InViVo-Lite converts your U/S device to an inexpensive, entry-level 3D-U/S station.

The visualisation software includes:

- Free-hand scanning, no change of the familiar examination procedure
- **No tracker required**
- 2D multi-image alternator
- 3D viewer with image generation in realtime for any U/S device
- Various imaging modes (MIP, Surface, X-ray, semi-transparent)
- Loop, Zoom, Pan
- Isolation of interesting organ (e.g. vessels) or pathology
- 3D image processing
- Annotations
- Virtual flight module
- Online & Offline telemedicine
- Arbitrarily oriented oblique cuts, cine loops in all directions in realtime
- Integrated database & archiving of patient data, videos and images on MO-disk
- Server-client configuration
- User definable pre-sets for all applications
- Video loop recording (AVI)
- Snapshot image archiving in the database or disk (TIF or BMP), or print-out directly on the printer
- NEW: Panorama

## Technical Characteristics

- PC with Windows 2000/NT
- 256 MB Memory
- PAL, NTSC, (S-)VHS video supported
- Foot pedal operation
- Principally unlimited number of acquired single frames
- Average pre-processing time after acquisition: ca. 10-20 sec.
- 3D rendering speed: several 3D images per second in full quality, realtime during navigation
- Upgradeable to any other InViVo version & modules



More than 3D-Images.

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