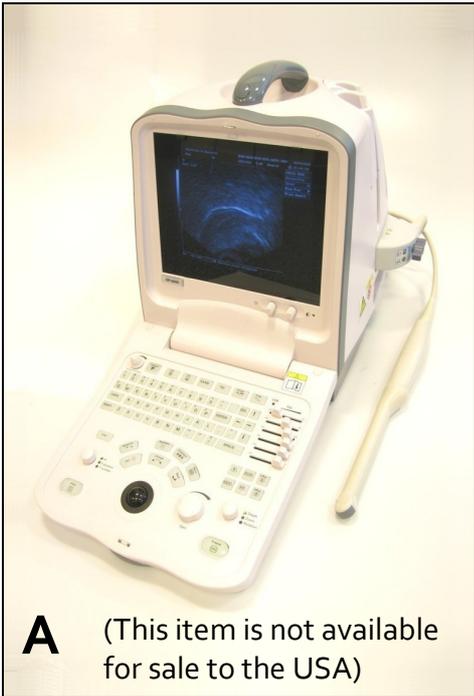
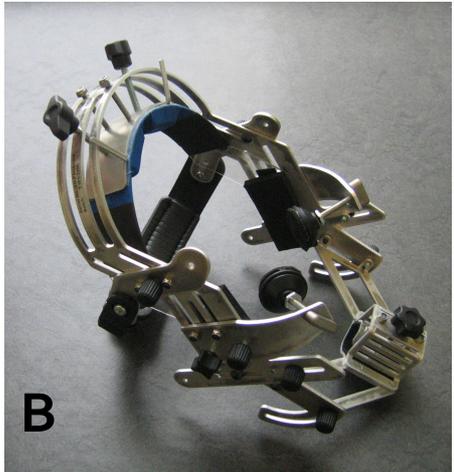


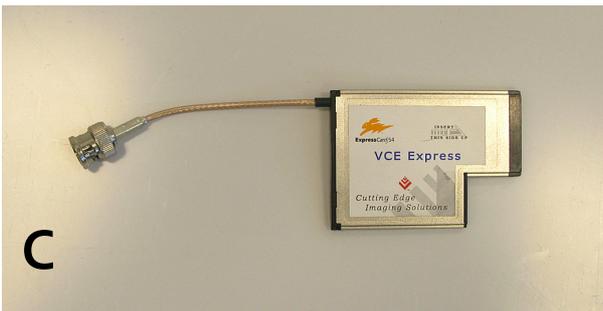
Complete ultrasound recording and analysis system



£7995GBP
excluding VAT



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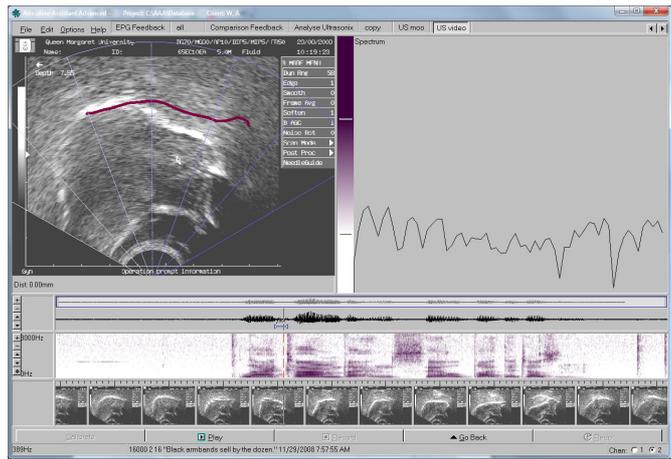


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What you get:

- A Ultrasound system with microconvex probe (£4945GBP)
- B Probe stabilisation headset (£1012GBP)
- C Video capture card (Expresscard|54 for laptops) (£540GBP)
- D Video/audio synchronisation unit (£385GBP)
- E AAA software for synchronous recording and rapid analysis (£1125GBP)

Laptop running Windows XP or 32-bit Windows 7 with Expresscard|54 is required

Overview:

This video-based ultrasound system provides a complete solution for recording and analysis of ultrasound tongue contours. A comparison between this system and equipment costing four times as much is very favourable. (Wrench, Scobbie: 2008). In addition, we provide at least one year of free advice and support via Skype or email to help you get the best results.

Technical Specification:

A Ultrasound system

- . 10" non-interlaced monitor
- . Integrated carry handle (weight 10kg)
- . Dimensions 400x340x260mm
- . Electronic micro-convex array transducer 5.0/6.5/8.0MHz (pictured above)
- . Capable of internal frame rate of 98fps with depth of 80mm and FOV 120 degrees
- . Output NTSC video provides 60 distinct images per second once de-interlaced.



B Probe stabilisation headset

- . Adjustable to fit large and small heads
- . Maintains the probe in a midsagittal position
- . Weight 800g

C Video capture card

- . Expresscard|54 type suitable for laptops running 32-bit Windows 7 or XP
- . Capable of de-interlaced images at ~60 frames per second

D Video/audio synchronisation unit

This unit intercepts the audio and video signals and superimposes a bright flash in the corner of the video in response to a tone or click on the audio channel

- . Dimensions 80x22x55mm
- . Accepts microphone or line level audio

E AAA software for synchronous recording and rapid analysis.

Software designed for integrated acoustic and ultrasound tongue image analysis. Recordings can be made, annotated and spline-fitted (semi-automatic) without needing to split movies into individual jpegs.

- . Synchronises the flash with the tone to align the ultrasound and audio.
- . Recorded data may be annotated
- . Semi-automatic spline fitting to images
- . Spline workspace allows splines to be compared and averaged
- . Publisher produces journal-quality plots
- . Splines and measures can be exported for further analysis in Matlab, R, Excel
- . Frequent free upgrades with new features.

Reference:

Wrench, A. & Scobbie, J.M. (2008), "High-speed Cineloop Ultrasound vs. Video Ultrasound Tongue Imaging: Comparison of Front and Back Lingual Gesture Location and Relative Timing", Proceedings of the International Seminar on Speech Production 2008.