

ClearProbe™ Ultrasound



A. General Purpose Abdominal Probe
AB 3.5 MHz and AB 5.0 MHz



B. Endocavity Probe
EB 7.5 MHz



C. Vascular Access Probe
7.5/24 MHz



D. Ophthalmology Probe
Op 12 MHz

Simplicity

With a selection of imaging probes and intuitive software, the ClearProbe system turns every computer in your facility into an ultrasound imaging system.

- Affordable, portable and easy to use. At a fraction of the cost of other portable ultrasound devices.
- Easy “quick look” without tying up other systems.
- Plugs into the USB port of your PC.

Probes for Every Application

The ClearProbe offers surface and endocavity scanners to suit uses in a wide variety of medical fields, including family practice, OB/GYN, urology, internal medicine, emergency medicine, anesthesiology, pain medicine, podiatry, cath labs and ophthalmology.

- General Purpose Abdominal Probe – abdomen (abdominal aorta, liver, kidney, gall bladder), uterus, bladder, FAST exam.
- Endocavity Probe – transrectal-prostate, transvaginal-uterus, adnexa.
- Vascular Access Probe – vascular access (PICC lines), nerve blocks, foreign bodies, small parts, MSK.
- Ophthalmology Probe – eye, retina.

Interactive Software Interface

Included with the ClearProbe is intuitive software that requires minimum input from the user to produce a desirable image. Software functions include:

- User can do measurements, add arrows and annotate to record distance and area.
- Calculations (optional) for OV, bladder volume and prostate volume.
- Freeze image with button on probe, space bar or on-screen button.
- Ability to zoom into selected objects.
- AutoScan with customizable presets or Manual Scan for DGC, power settings.
- User-selectable depth, frequency.
- Frame rate is 10 – 20 FPS, depth dependent.
- Image store and review (backscatter images and/or JPEG).
- Optional interface to EMR/PACS.
- Cine Loop.
- Image averaging, interpolation.
- 256 shades of gray.

Works with your PC or Mac and on most popular video codecs including:



Software & System

USB Cable Probes come with a 2m cable; 5m cable optional

Minimum System Requirements

Computer Operating System	Windows 7, Windows XP, Vista or Mac (running Windows)
Processor	1 GHz Minimum
Memory	512 K (recommended 1 GB or more)
Port	USB 2.0
Minimum Display	1024 x 600 with 32 bit color
Screen Size Resolution	Multiple sizes 9" and up
	Resolution – minimum 1024 x 600 pixels
Image Store	Raw data and JPEG, cine
Measurement & Calculation	Distance, area, bladder and prostate volume, annotation, OB calculations

General Purpose Abdominal Probe

AB 3.5 MHz

Center Frequency	3.5 MHz
Pulse Frequency	3.5 MHz & 5.0 MHz
Scan Angle	90°
Focal Point	7.5 cm
Scan Depth (Max)	20 cm
Clinical Applications	Abdomen (kidney, liver, gall bladder, abdominal aorta), Uterus, Bladder, FAST exam

AB 5.0 MHz

Center Frequency	5.0 MHz
Pulse Frequency	5.0 MHz & 3.5 MHz
Scan Angle	90°
Focal Point	6 cm
Scan Depth (Max)	20 cm
Clinical Applications	Pediatric & smaller patients

Endocavity Probe

EB 7.5 MHz

Center Frequency	7.5 MHz
Pulse Frequency	5.0 MHz - 12.0 MHz
Scan Angle	90°
Focal Point	2.5 cm
Scan Depth (Max)	10 cm
Clinical Applications	Transrectal (prostate), Transvaginal (uterus, adnexa)
Notes	End Fire, Optional Biopsy Guide, Prostate Volume Calculation

Vascular Access Probe

VA 7.5 MHz

Center Frequency	7.5 MHz
Pulse Frequency	7.5 MHz
Scan Angle	60°
Focal Point	1.6 cm
Scan Depth (Max)	10 cm
Clinical Applications	Vascular Access, PICC Lines, Small Parts, Nerve Blocks, Foreign Bodies

Ophthalmology Probes

OP 12 MHz

Center Frequency	12.0 MHz
Pulse Frequency	12.0 MHz & 15.0 MHz
Scan Angle	60°
Focal Point	2.0 cm
Scan Depth (Max)	6 cm
Clinical Applications	Posterior Eye, Retina

Works with your PC or Mac and on most popular video codecs including:

