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FOR THE SALES & MARKETING OF VENTILATORS & GE ULTRASOUND MACHINES

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GE ULTRA SOUND MACHINES

MODEL-SPECIFIC FEATURES

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GE Model	Extra / Higher Features / What Makes It Special
Versana Premier	- Uses **VisionBoost Architecture** for better image engine and faster processing. - Larger, high-contrast displays (e.g. ~23.8-inch LCD plus a ~15.6-inch touch panel) and up to four probe ports. - Imaging enhancements like Whizz Color Flow, Whizz Easy Style, 3D/4D imaging (e.g. V-Live, rendering tools), Whizz Label for automated labeling of certain organs, Whizz Follicle etc. -Faster workflow (GE claims up to ~38% faster in certain workflows compared to earlier version) due to automation tools. - Features for OB/GYN, general imaging, vascular etc with more advanced Doppler, tissue harmonic imaging etc.
Versana Essential	- More basic, cost-effective model optimized for general imaging, vascular, MSK etc. - Automated image optimization (Whizz), automated workflows (Scan Assistant), larger screen (~21.5") but less than Premier. - Fewer "bells and whistles" like 3D/4D may or may not be present depending on the version
Versana Active	- Has some more advanced tools e.g. Auto EF (auto estimation of ejection fraction), 3D/4D capability, Doppler tools, "Needle Recognition" (helpful in guided biopsies), voice comments etc. - Good middle ground between Essential and Premier.
Versana Balance	- Positioned between Essential and Premier; includes features like needle recognition, ergonomic interface, more automation, reasonable imaging capability.
GE Vivid T8	• **Imaging modes**: 2D, Color Doppler, Spectral Doppler (PW / CW), Tissue Doppler, Anatomical M-Mode, Tissue Velocity Imaging, Strain & Strain Rate Imaging. • **Auto / AI-assisted tools**: ○ AutoEF — automatic ejection fraction measurement. ○ AFI (Automated Function Imaging) quantitative motion / function assessment. ○ Smart Stress echo module. • Tools to reduce manual steps, enhance reproducibility • **Probes / Transducers**: 4 active probe ports. Support for various probes: convex, linear, cardiac sector, TEE, micro-convex etc • **User interface / Display**: ○ A large high-resolution LCD (≈ 19") main monitor. ○ Touchscreen control panel (~ 8.4") for workflow shortcuts. ○ Customizable UI, with Scan Assistant to reduce number of keystrokes. • **Mobility / Physical**: ○ Weight ~ 58-60 kg (≈ 128 lbs). ○ Four transducer ports and multiple holders; cable management, front & rear handles; lockable wheels. • **Technical / Performance**: ○ Depth of field depending on probe: up to ~ 30-33 cm. Minimum depth also small depending on probe. ○ High dynamic range (e.g. up to ~ 120 dB). ○ Multiple USB ports, optional DVD / CD, hard drive storage (e.g.500 GB HDD). • **Energy / Efficiency**: ○ Silent fans, low heat dissipation. Standby mode. ○ Works over a wide input power (100-240 VAC, 50/60 Hz) to suit different sites

GE Vivid T9	The Vivid T9 builds on the capabilities of T8, with enhancements. Main features include: • **Matrix / XDclear™ probe technology**: • Very good spatial & temporal resolution, improved penetration especially in challenging cases (e.g. obese patients). • **Ergonomics & User Interface**: ○ Adjustable monitor (≈ 21.5″ HD LCD) with tilt & height adjustments. ○ Control panel adjustable both laterally and vertically. Trackball, buttons, knobs grouped ergonomically • A multi-touch touchscreen (~10.1″) for fast access. • **Imaging & Diagnostic Tools**: ○ Same basic modes: 2D, Color/Power/Spectral Doppler, Anatomical M-Mode, Tissue Velocity, Strain / Strain Rate etc. ○ Virtual Convex, Virtual Apex, Compound Imaging, Speckle Reduction, Coded Phase Inversion etc. • Auto-EF, Cardiac Auto Doppler, AI based measurements. • **Workflow and Productivity Tools**: ○ Smart Standby mode, automatic save in power loss; skin-friendly UI etc. ○ DICOM support, pediatric DICOM SR, enhanced reporting tools. • Scan Coach (teaching aid showing probe position etc.). • **Physical / Mobility / Security**: ○ Weight ~ 60 kg; solid lockable wheels; push handles front/back to facilitate transport. ○ Four probe ports; multiple standard probe holders ○ Enhanced data security: Hard drive encryption, protocols etc.
Versana Premier	Versana Premier is designed as a "shared service" ultrasound system: intended to be versatile (used in general practice, OB/GYN, cardiology, musculoskeletal, etc.), combining high image quality, automation / AI tools, and user-friendly design
	Vision Boost Architecture: Next-gen image engine & hardware to improve image quality in 2D/3D, faster processing, better display performance. A suite of auto / AI / real-time image optimization tools, including: • *Whizz* – automatically improves image as you scan.
	Whizz Clinical Features: • *Whizz Color Flow* – better Doppler/color flow rendering • *Whizz Label* – auto labeling (e.g. liver, kidney, gallbladder) to streamline exam reporting. • *Whizz Follicle* – assists with volume / follicle measurements.
	Automated Measurement Tools: that reduce manual steps: SonoBiometry (routine fetal-biometry: BPD, HC, AC, FL), Auto-IMT (intima-media thickness), Auto Bladder, etc. Helps speed up exams and improve consistency.
	Ergonomics & Display: Large main LCD screen (~ 23.8″), large touch panel (~ 15.6″) for controls. Height-adjustable console, beneficial probe/cable management, quieter system.

GE Model	Extra / Higher Features / What Makes It Special
	Probe Ports / Flexibility : Multiple probe ports (4 active probe connectors) so you can have different probes ready: cardiac, convex, linear etc.
	Versatile Imaging Modes: also 3D/4D for OB applications; B-Flow; tissue / strain / elastography (depending on configuration) etc
	Workflow / Productivity Enhancements : Features like Scan Assistant (protocol guidance), Scan Coach (helps get correct scan plane), Follow-Up tools (for comparing current to prior scans), user-defined exam presets, templates, etc user-defined exam presets, templates, etc
	Connectivity / Reporting / Network: DICOM connectivity for networking, image storage, worklists etc.; TricefyUplink (cloud sharing); export options; reporting tools; possibly e-delivery / software updates
GE Vscan Air SL	The Vscan Air SL is one of GE HealthCare's newest wireless, handheld ultrasound (point-of-care) devices.
	Dual-probe design: Both a *sector-phased array* and a *linear array* transducer are built into one probe. The sector side is suited for deeper scans (cardiac, abdominal) and the linear side for shallower / vascular / MSK etc. Eases switching between scan types without changing transducers
	Imaging technologies: Uses GE's *SignalMax*™ + *XDclear*™ technologies for better penetration, sensitivity, resolution. Single-crystal transducer technology helps with image quality and depth
	Multiple imaging modes: Supports B-mode (2D), Color Doppler, PW Doppler, M-mode. Useful for both anatomy and blood flow / cardiac motion
	Battery life & charging : Up to ~50 minutes of continuous scanning (using ~80% grey scale, ~20% color imaging) on a full battery. Recharge time from 10 % to ~90 % is about 75 minutes
	Size, weight & portability: Lightweight (≈ 205-220 grams), compact. Wireless probe (no tethered cables), pairs via app with Android / iOS devices. Completely portable and designed for point-of-care use
	Durability: Drop-tested to military standards (MIL-STD-810G), waterproof rating (IP67) etc. Designed to withstand field use, high-level disinfection etc.
	AI / Assisted-Guidance Tools

GE Model	Extra / Higher Features / What Makes It Special
	• **Caption AI**: Real-time visual guidance for capturing diagnostic quality cardiac images, with quality meter. • **AutoEF**: Automated calculation of left ventricular ejection fraction. • AutoCapture / SaveBestClip features to help grab optimal images.
	Connectivity & Workflow: Pairs with a mobile device via app; images are displayed on phone/tablet and can be stored, shared, or transferred (DICOM, secure channels) with patient data protection in mind. App has intuitive UI, presets etc
GE Vscan Air CL	**Dual-Probe Design (Convex + Linear Arrays)** ○ One probe that incorporates both a **curved (convex) array** for deeper scans (e.g. abdominal, OB/GYN, deeper organs) and a **linear array** for more superficial scanning (e.g. vascular, MSK, skin, small organs). ○ This means you don't need to physically switch probes between shallow and deeper imaging
	Imaging Modes & Measurement Tools ○ Supports **B-mode (2D)** imaging. ○ **Color Doppler** (to visualize blood flow) ○ **PW Doppler** (Pulsed-Wave Doppler) for velocity measurement. ○ **M-Mode** (motion-mode) included. Some OB / fetal measurement capabilities (e.g. standard obstetric measurements) are also available
	Depth / Frequency Ranges ○ Curved array: ~ **2-5 MHz** frequency, with maximum depth up to ~ **24 cm** depending on patient/body part. ○ Linear array: ~ **3-12 MHz** frequency, with max depth around **8 cm** for shallow structures
	Portability & Hardware Design ○ Completely wireless handheld probe. Connects to your mobile device (smartphone or tablet) via app. ○ Lightweight: ≈ **205 grams**. ○ Compact dimensions: approx **131 × 64 × 31 mm**
	Battery & Power ○ Scan time: up to **50 minutes** continuous (using typical usage with mostly greyscale + some color). ○ Recharge time: from ~ 10% to 90% in about **75 minutes**
	App / User Interface & Workflow ○ Uses the **Vscan Air app** on Android and iOS devices. ○ App supports intuitive gestures / minimal buttons: freeze/unfreeze, store, gain, depth controls etc ○ Allows selection of presets; user can set default presets; supports both portrait & landscape orientation for display
	Data Security and Connectivity ○ Secure storage of patient data on device; images can be exported / shared; supports DICOM connectivity / export. ○ Ensures privacy: data is stored in a private space on the mobile device, no access by other apps

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