ACUSON Sequoia Ultrasound System

Installation Checklist

Basic Applications – General System 3.5 (VB30)

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This checklist represents features discussed during system training by the Application Specialist/ Clinical Sales Specialist. It is recommended that the customer read and review all sections of the manual for further knowledge and explanation of the system and its usage.

✓	General System
	Power On/Off/Hibernate/Breaker/Power Cord
	Wheels/Braking System
	Monitor Tilt/Adjustable Arm/Lock Lever
	Touch Screen Tilt/Lighting Adjustment
	Control Panel Height/Rotate/Lighting Adjustment
	Foot Switch/Physio Module/Gel Warmer
	Transducers/Ports/Transducer Holders (Connect and Remove) and Cord Management

	Accessing the Retractable Keyboard (Optional)
	USB Ports (Left Side of Touch Screen, Back Location for Peripherals)
	Peripherals (B/W Printer, DVD/CD, Fusion)
	Input/Output/Panel Connections/Universal Video Converter (Off System)
	Storage Bins (Front, Back)
	Cleaning the Filter
	Safety and Care (System, Transducers, Touch Screen, Trackball)
	Recommended Cleaners and Disinfectants

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✓	**System Settings**
	Set Date/Time/Confirmation Beep
✓	**Transducers**
	Gesture Detection
	Orientation/Changing Frequencies
	Frequency Range/Depth
	Field of View (FOV)
	Wide Field of View (WFOV) – 5C1/11M2
	Applications/Exam Types
	Needle Guides (Option)
✓	**Image Screen & Image Settings**
	Screen Saver
	Patient Banner
	Dual: Entering Full Screen – Configuration/ Workflow
	Capture Settings
	Imaging Parameters (Customize under System Configuration > Imaging Settings > Image Parameter Display)
	Transducer/Exam/System Status

	Orientation Marker/Measured Results
	Status Indicators (Cine, Trackball)/Thumbnails
	Network Connection and System Status Display
	Printing and Deleting Thumbnails Controls
✓	**Touch Screen Layout**
	Customize Touch Screen User-defined
	Log-in Options (Person Icon)/ Help (Question Mark Icon)/ System Configuration Menu (Cog Icon)
	Workflow Sections: Fusion/Panoramic/ Protocols/Modality Compare/Physio
	Additional Pages of Selections
	Soft Key Functions and Corresponding Press and Rotate Controls
	Page Selection/Active Page
	Main Navigation Selections (Patient, Imaging, Review, Report, End Exam)
	Additional Selections Icon/Swipe Gesture
	White Lighting: Available Selection Dithered: Not Available
	Orange Lighting: Active Selection

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✓	Control Panel/User Interface
	Power/Hibernate
	DGC Controls
	Home Base Controls (Clip, Image, ABC, Caliper)
	Trackball and Trackball Keys (Set, Update)
	Press and Rotate Keys (Correspond with Soft Key Functions on Touch Screen)
	Operating Modes (2D, C, PW/CW, M, VT, CEUS, 3D/4D)
	Depth, Zoom, Dual, Freeze, Forward/Backward, Delete, Pointer
	User-defined (U1/U2) controls
	Retractable Keyboard (Optional)
	Special Characters (Alt, Alt Gr)
	Caps Lock/Text Start (Space Bar)
	Blank (Displays Keyboard Language)
	Beginning a Study
	Preregister a Patient/Register a New Patient/ Register from Worklist
	Entering/Correct Patient Registration Information
	Selecting Transducer/Exam
	Appending a Study/Selecting an Exam Package
	Pause/Resume/Discontinue exam

	Activating an Operating Mode/CINE
	Capturing Images and Clips
	Completing a Patient Study

✓	Workflow Protocols
	Configure protocols under System Configuration > Features > Protocols
	Protocol Selections/Workflow
	Importing and Exporting Protocols
	Configuring Protocols on a Personal Computer

✓	2D Image Optimization
	2D/Overall Gain/DGC/Auto TEQ
	Speed of Sound/UltraArt/Harmonics/ Compounding
	U/D Flip/L/R Flip/Live Dual/Timer/Biopsy/Image Size
	Clarify/Frequency/Line Density/DR/Steer
	In Focus/Selectable Focus
	Transmit Power/Persist/Maps/Tint
	Clip Length/Capture Type (Prospective, Retrospective)
	2D Post-processing/Create or Modify User-defined Exams

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✓	Color Doppler/Power Doppler/Slow Flow
	Color/Power/Auto Color/Directional Power/Slow Flow
	Resize/Reposition Color Region of Interest (ROI)
	2D + Color/2D Only/Color Only
	L/R Flip/U/D Flip/Biopsy/Invert/Live Dual
	Optimize for Flow States/Anatomy (Low, General, High, Kidney, Aorta, Slow Flow)
	Filter/Freq/Line Density/Tint/Scale/Steer
	Smooth/Baseline/Persist/Maps/Priority
	Color Post-processing
	Velocity Variance Color Map

✓	Pulsed-waved (PW) or Continuous Wave (CW) Doppler
	PW/CW/Doppler Gain/Format
	Gate Size/Sweep Speed/Baseline/Scale/Angle Correct/Steer/UltraArt
	Auto Spectral/Configure Auto Spectral > System Configuration > Imaging Settings > Imaging Mode
	Freq/Filter/DR/Maps/Tint
	Invert/Edge/HPRF/Audio Volume
	Display Formats – Live/Live (Triplex)
	Spectral Doppler Post-processing
	Auto Trace/Sensitivity

✓	M-mode
	M/M-mode Gain
	Anatomical M-mode/Color M-mode/Format
	Sweep Speed/DR/Steer/Maps/Tint/Edge/Harmonics/Display Formats

✓	Text/Arrows/Body Markers
	Press ABC to Activate Text
	Using Pre-defined Text on Touch Screen Text A–D, Additional Text
	Clear Screen/Delete Line/Previous Annotation/Home/Set Home/Delete Key on Control Panel
	Reposition/Edit/Overwrite Text
	Customizing Text > System Configuration > Annotations > Text
	Press ABC > Arrow on Touch Screen
	Using Arrow Widget/Adding/Deleting/Moving Arrows/Clear Screen/Delete/Previous Arrows
	Press ABC > Body Marker on Touch Screen
	Select/Reposition Body Marker/Transducer Marker Orientation and Position/Delete/Widget/Exam Package
	Customizing Body Marker > System Configuration > Annotations > Body Markers

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✓	Measurements and Reports
	Press Caliper to Activate the Measurement Function
	Positioning and Anchoring Measurement Markers
	Performing and Labeling a Measurement
	Editing a Measurement/Viewing Measurement Results
	Basic Measurement Tools/More/Shadow
	Calculating Ratios/Exam Specific Measurements
	Customizing Measurements: System Configuration > M & R > Measurement > General/Exam Package/ Exam Specific/Per Label Configuration
	Customizing Measurements: System Configuration > M & R > Touch Screen Measurement Config > Package Configuration/Touch Screen Layout Editor
	Customizing Measurements: System Configuration > M & R > Custom Measurement Label > [SR Mapping]
	Customizing Measurements: System Configuration > M&R > Custom Calculations
	Customizing Measurements: System Configuration > M & R > Reports > Report Content/ Assessments/Comments/Report Template
	Customizing Measurements: System Configuration > M & R > OB Tables > Default OB Author/Custom GA Tables/Custom Growth Curves

✓	
	Reports > Editing/Comments/Images/Clips and Protocol Views/Deleting
	Reports > Method of Measurement
	Store/Print/Transfer Report
	Summary Measurement Customization/ Drop-down Menu/Blank column option

✓	Modality Compare
	Compatibility (Mammography, CT, MRI, Ultrasound)
	Importing Data and/or Query Retrieve
	Activating Modality Compare (Under Workflow)
	Comparing Images and Clips
	Magnify/Adjust Position of the Reference Image
	Adjust Contrast and Brightness

✓	Panoramic Imaging
	Activate Panoramic Imaging (2D, 2D with Power, 2D with Color)
	Acquiring an Image/Erase/Review during Cine
	Rotate/Resize after Acquisition/Ruler
	Adjust Color ROI/Remove Color

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✓	**Review and Patient Browser**
	Review Current Study/Display Format/Thumbnails
	Pause/Discontinue/Active exam icons
	Single Select/Multiple Select
	Flag/Delete Images
	Reports/OB Tables
	Select All/Select None
	Compare/Page
	Exporting (with and without DICOM viewer)
	Exporting (with and without acoustic data and GSDF)
	Exporting Images from Thumbnails
	Query/Retrieve/Send to Network

✓	**Printing and Recording**
	Recording a Patient Study > System Configuration > Peripherals > DVR
	Printing Images/Report
	System Configuration > Peripheral Devices > Print/Store
	Automatic Disk Management > System Configuration > System Management > System Information
	Configuring a Report Printer
	Record Using DVR

✓	**DICOM/Network Set-up**
	DICOM Set-up
	DICOM Structured Reporting Set-up

✓	**Documentation Devices**
	Universal Video Converter
	Foot Switch, DVR, Print/Store > System Configuration > Peripheral Devices
	Printer (Configure under System Configuration/ Peripheral Devices/Local Printer)
	DVR (Configure under System Configuration > Peripheral Devices > DVR – Enable DVR)

✓	**System Management**
	System Management

✓	**System Information (SN/Version)**
	System Information (SN/Version)

✓	**Service**
	Kinectus
	Back-up/Restore
	Sales/Service and Applications Support

✓	**Security**
	Security

☐ I acknowledge that I have received training on items checked above on the
ACUSON Sequoia 3.5 (VB30) ultrasound system and had the opportunity to ask questions.

Facility: _____

Date(s) of Training: _____

Customer Name: _____   Signature: _____

Clinical Specialist Name: _____   Signature: _____

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