Canon

DIAGNOSTIC ULTRASOUND SYSTEM

Aplio i-series

Prism Edition

Product Data
No. MPDUS0212EAM

Aplio i900
Aplio i800
Aplio i700

INTRODUCTION

This system achieves high sensitivity and high quality by using digital technology in the T/R section, which is the core of a diagnostic ultrasound system.
This system features advanced algorithms that run on circuits that incorporate circuit technology, semiconductor technology, and surface-mount technology.
This system is designed to support a full range of applications and can be used as a general purpose system or a specialized system, depending on the installed software.

Full-digital ultrasound beam transmission and reception
This system employs full-digital transmission and reception circuits. The high definition ultrasound beams and data processing technology available with full-digital systems allow high sensitivity and image quality to be achieved simultaneously.

Transducers supporting a wide range of frequencies
Echoes over a wide range of frequencies can be obtained using a single transducer, allowing the optimal sensitivity and quality to be achieved for each region examined. This function permits a single transducer to be utilized for a wide range of applications, greatly improving the throughput and price-to-performance ratio.

Intelligent panel and software
The intelligent panel and software facilitate operation and contribute to a high throughput.

Upgradability
This system can be periodically upgraded to the latest version.

Ergonomics
The system employs a non-interlace high-definition monitor with excellent viewing ability. The ergonomic design of the system supports comfortable and efficient examinations for operators, physicians, and patients.

Operability
System operability is optimized for the overall clinical workflow in hospitals.

SYSTEM MATRIX OF TUS-AI900/TUS-AI800/TUS-AI700

Unit	Model name	Remarks	Applicable Version
Main unit	TUS-AI900 Aplio i900	23-inch wide LCD monitor, DVD/CD drive, Precision Imaging, D-THI, ApliPure+, TSO (Tissue Specific Optimization), Trapezoid Scan, Quick Scan, ADF (Advanced Dynamic Flow), DICOM®, Smart 3D, Software full keyboard, Vascularity Index, BEAM (Biopsy Enhancement Auto Mode), SMI (Superb Micro-vascular Imaging), intelligent Dynamic Micro Slice, Full Focus, AppLocker® Security Management, Volume Matrix, Transducer connector holder and electric lifting of the operation panel are included.	V1.1 or later
	TUS-AI800 Aplio i800	23-inch wide LCD monitor, DVD/CD drive, Precision Imaging, D-THI, ApliPure+, TSO, Trapezoid Scan, Quick Scan, ADF, DICOM, Smart 3D, Software full keyboard, Vascularity Index, BEAM, SMI (Superb Micro-vascular Imaging), intelligent Dynamic Micro Slice, Full Focus, AppLocker® Security Management, Transducer connector holder and electric lifting of the operation panel are included.	V1.1 or later
	TUS-AI700 Aplio i700	23-inch wide LCD monitor, DVD/CD drive, Precision Imaging, D-THI, ApliPure+, TSO, Trapezoid Scan, Quick Scan, ADF, DICOM, Smart 3D, Software full keyboard, Vascularity Index, BEAM, SMI (Superb Micro-vascular Imaging), intelligent Dynamic Micro Slice, Full Focus, AppLocker® Security Management, Transducer connector holder and electric lifting of the operation panel are included.	V1.1 or later

<Options for main unit>

Unit	Model name	Remarks	Main unit				Applicable Version
			i700	i700 Women's Health	i800	i900	
CW kit	USCW-AI900A, USCW-AI900A/EL	For cardiovascular examinations, adds Continuous Doppler capability to sector and pencil transducers.	Op.*13	Op.	Op.*13	Op.	V1.1 or later
Reference Signal kit	USUR-AI900A	Hardware and software kit to display reference signals (ECG waveforms etc.). (UJUR-AI900A or UJUR-AI901A is required.)	Op.*13	Op.	Op.*13	Op.	V1.1 or later
	USUR-AI900A/EL	Software license to display reference signals (ECG waveforms etc.). (Only for limited regions) (UJUR-AI900A or UJUR-AI901A is required.)					
Reference Signal cable	UJUR-AI900A	For cardiovascular examinations (for regions other than the USA) : ECG (Electrocardiogram), respiration, ECG gating, heart rate (USUR-AI900A is required.)	Op.	Op.	Op.	Op.	V1.1 or later
	UJUR-AI901A	For cardiovascular examinations (for the USA and Canada) : ECG, respiration, ECG gating, heart rate (USUR-AI900A is required.)					
Reference Signal Sensor unit	UJUR-AI902A	PCG (Phonocardiogram) and Pulse Sensor (USUR-AI900A is required.)	Op.	Op.	Op.	Op.	V1.1 or later
Stress Echo kit	USSE-AI900A/7D, USSE-AI900A/7L	Adds cardiac stress examination function and the Protocol Assistant to the system. (USUR-AI900A is required.)	Op.	Op.	Op.	Op.	V1.1 or later
2D Wall Motion Tracking kit	USWT-AI900A, USWT-AI900A/EL	Adds cardiac wall motion analysis function for LV (left ventricle) and LA (left atrium) to the system. (USUR-AI900A is required.)	Op.	Op.	Op.	Op.	V1.1 or later
SI-DI kit	USSD-AI900A, USSD-AI900A/EL	This kit adds new color mapping based on Diastolic phase Strain in 2D WMT mode. (USWT-AI900A is required.)	Op.	Op.	Op.	Op.	V3.0 or later
3D Wall Motion Tracking kit	USWT-AI901A, USWT-AI901A/EL	Adds 3D cardiac wall motion analysis function for LV to the system. (USUR-AI900A is required.)	Op.*2	Op.*2	Op.*2	Op.	V1.5 or later
3D Wall Motion Tracking for 3D-TEE kit	USWT-AI901B, USWT-AI901B/EL	This kit enables 3D Wall Motion Tracking on PEI-512VX. (USWT-AI901A is required.)	Op.*5	Op.*5	Op.*5	Op.	V8.0 or later V3.0 or later in the USA and Canada
3D Wall Motion Tracking Advance kit	USWT-AI902A, USWT-AI902A/EL	Adds RV (right ventricular) Analysis and LA Analysis with 3D WMT. (USWT-AI901A is needed.)	Op.*2	Op.*2	Op.*2	Op.	V1.5 or later

*1: Not available in the USA and Canada.
*2: USVM-AI800A is required to use PSI-28VX, PSI-30VX, PSI-50VX and PEI-512VX on i800 and i700 (except CV model).
USVM-AI700A is required to use PSI-40VX on i700 (except CV model).
*3: USVM-AI800A is required to use PEI-512VX.
*4: This option is available in the USA, Canada, Europe, Australia, Turkey, Brazil, and South Korea.
*5: USVM-AI800A is required.
*6: Only available in Europe with Cardiovascular model.
*7: USVM-AI800A or USMV-AI900A is required.
*8: Not available in the USA.
*9: Only available in the USA.
*10: Magnetic Generator kit UIFR-AI900A is required separately.
*11: Only available in the CE marking regions and Canada.
*12: Not available in Europe.
*13: Std in CV model
*14: NA in CV model
*15: Op. in CV model

Op.: Option
Std.: Standard
NA: Not applicable

Unit	Model name	Remarks	Main unit				Applicable Version
			i700	i700 Women's Health	i800	i900	
2D Wall Motion Tracking Fetal kit	USWT-AI904A, USWT-AI904A/EL	This kit enables cardiac wall motion analysis function for fetal heart using data from a convex transducer. (USWT-AI900A is required.)	Op.a	Op.	Op.	Op.	V3.0 or later
2D Wall Motion Tracking Advance kit	USWT-AI906A, USWT-AI906A/EL	Adds RV and RA analysis with 2D WMT to analyze the entire four-chamber of LV, LA, RV and RA. (USWT-AI900A is required.)*1	Op.	Op.	Op.	Op.	V6.0 or later
Quad Chamber Tracking kit	USQT-AI900A, USQT-AI900A/EL	Quad display for 3D Wall Motion Tracking results. (USWT-AI901A, USWT-AI902A and USUR-AI900A are required.)	Op.*2	Op.*2	Op.*2	Op.	V1.5 or later
Auto GLS kit	USWT-AI907A, USWT-AI907A/EL	Enables easy full LV assessment including bull's eye (Polar map), EF (Ejection Fraction) and GLS. (Quick Strain)*8 (USWT-AI900A is required.)	Op.	Op.	Op.	Op.	V7.0 or later
Mitral Valve Analysis kit	USMA-AI900A, USMA-AI900A/EL	This software is used to analyze and evaluate the mitral valve in 3D images acquired using the PEI-512VX. (Not available on Aplio i700 Cardiovascular model.)	Op.*3, 14	Op.*3	Op.*3	Op.	V1.1 or later
Contrast Enhance kit	USCT-AI900A, USCT-AI900A/EL	Enables the examiner to improve visibility of the cavities and thus the delineation of the myocardium (Clarity).	Op.	Op.	Op.	Op.	V7.0 or later
MVA 4D kit	USMA-AI901A, USMA-AI901/EL	This kit enables mitral valve analysis in 4D images acquired using the PEI- 512VX transducer. (USMA-AI900A is required. Not available on Aplio i700 Cardiovascular model.)	Op.*3, 14	Op.*3	Op.*3	Op.	V2.0 or later
LAA Analysis kit	USLA-AI900A, USLA-AI900A/EL	This kit allows LAA (Left Atrial Appendage) Analysis with PEI-512VX.	Op.*5	Op.*5	Op.*5	Op.	V8.0 or later V8.1 or later in the USA
Volume Matrix kit	USVM-AI800A, USVM-AI800A/EL	This kit allows real-time 4D imaging using the PEI-512VX, PSI-50VX, PSI-28VX and PSI-30VX. It is included in the standard configuration of the TUS-AI900.	Op.	Op.	Op.	Std.	V1.1 or later
Volume Matrix 2 kit	USVM-AI700A, USVM-AI700A/EL	This kit enables real-time 3D imaging using PSI-40VX.	Op.	Op.	Std.	Std.	V2.0 or later
Luminance and Shadow Glass with Volume Matrix kit	USLM-AI901A, USLM-AI901A/EL	Shadow Glass can be performed with Volume Matrix.	Std.*2	Op.*2	Std.*2	Op.	V1.5 or later
AVA kit	USAV-AI900A, USAV-AI900A/EL	This kit enables analysis of the Aortic Valve in 3D images acquired using the PEI-512VX.	NA*15	NA	NA*15	Op.	V4.0 or later
Fetal Heart MPI Measurement kit	USFH-AI600A, USFH-AI600A /EL	This kit enables MPI (Myocardial Performance Index). The MPI value can be calculated from the time change curve in TDI (Tissue Doppler Imaging).	Op.	Op.	Op.	Op.	V2.0 or later
Smart Fetal Heart kit	USFP-AI900A, USFP-AI900A/EL	This kit enables the automatic generation of standard fetal heart views from a 4 chamber volume data set.	Op.*7	Op.*7	Op.*7	Op.*7	V3.0 or later
Pencil Connector unit	UIPC-AI900A	This unit is used to add connectors for pencil transducers.	Op.	Op.	Op.	Op.	V1.1 or later
M-TEE Hanger kit	UAEH-AI900A	TEE transducer hanger for the PET-609MA, PET-512MA, PET-512MC, PET-512MD, PEI-512VX and PET-609MA.	Op.	Op.	Op.	Op.	V1.1 or later
TEE Hanger kit	UAEH-AI901A	TEE hanger for the PET-508MA.	Op.	Op.	Op.	Op.	V1.5 or later
CV kit	UACV-AI900A	This kit consists of preset data suitable for CV examinations, a CV sticker, and a startup screen.	Op.	NA	Op.	Op.	V1.1 or later
STC kit	UIST-AI900A	This kit is used to add the STC control on the operating panel. Using in combination with UIUB-AI900 is not possible. For V5.1 or before.	Op.	Op.	Op.	Op.	V1.1 or later
	UIST-AI901A	This kit is used to add the STC control on the operating panel. Use in combination with UIUB-AI900 is not possible. For V6.0 or later.	Op.	Op.	Op.	Op.	V6.0 or later
Ultrasound scanning condition export function Kit	USVL-AI900A, USVL-AI900A/EL	This kit exports the scan conditions (currently selected image mode etc.) of the diagnostic ultrasound system to an external device. Applicable transducer: PEI-512VX*4	Op.*3	Op.*3	Op.*3	Op.	V5.0 or later V7.0 or later in the USA and Canada

*1: Not available in the USA and Canada.
*2: USVM-AI800A is required to use PSI-28VX, PSI-30VX, PSI-50VX and PEI-512VX on i800 and i700 (except CV model). USVM-AI700A is required to use PSI-40VX on i700 (except CV model).
*3: USVM-AI800A is required to use PEI-512VX.
*4: This option is available in the USA, Canada, Europe, Australia, Turkey, Brazil, and South Korea.
*5: USVM-AI800A is required.
*6: Only available in Europe with Cardiovascular model.
*7: USVM-AI800A or USMV-AI900A is required.
*8: Not available in the USA.
*9: Only available in the USA.
*10: Magnetic Generator kit UIFR-AI900A is required separately.
*11: Only available in the CE marking regions and Canada.
*12: Not available in Europe.
*13: Std in CV model
*14: NA in CV model
*15: Op. in CV model

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NA: Not applicable

Unit	Model name	Remarks	Main unit				Applicable Version
			i700	i700 Women's Health	i800	i900	
CHI kit	USHI-AI900A, USHI-AI900A/EL	Adds Contrast Imaging function to the system.	Op.	Op.	Op.	Op.	V1.1 or later
CHI-Q kit	USCQ-AI900A, USCQ-AI900A/EL	Adds TCA (Time Curve Analysis) function to the system. (USHI-AI900A is required.)	Op.	Op.	Op.	Op.	V1.1 or later
Fitting Curve kit	USCQ-AI901A, USCQ-AI901A/EL	Function for calculating characteristic value parameters by fitting curve. (USCQ-AI900A is required.)	Op.	Op.	Op.	Op.	V1.1 or later
Quad View for CHI kit	USQC-AI800A, USQC-AI800A/EL	This kit allows display of CHI (Contrast Harmonic Imaging) in four-frame display.	Op.	Op.	Std.	Std.	V1.1 or later
High Frame Rate CHI kit	USHI-AI901A, USHI-AI901A/EL	This kit enables CHI with high frame rate.	Op.	Op.	Op.	Op.	V2.0 or later
Contrast Vector Imaging kit	USVF-AI900A, USVF-AI900A/EL	This kit enables the visualization and analysis of the direction/velocity of bubbles by tracking individual contrast bubbles and displays such parameters in different colors. (USHI-AI900A is required.)	Op.	Op.	Op.	Op.	V3.0 or later
4D kit	USMV-AI900A, USMV-AI900A/EL	This kit is required for using the 4D transducer or the motor-driven TEE transducer. Pre-installed in WHC model.	Op.	Pre-installed	Op.	Op.	V1.5 or later
Luminance kit	USLM-AI900A, USLM-AI900A/EL	Image processing technology that makes 3D/4D images of fetuses and anatomical structures appear more realistic. USMV-AI900A or USVM-AI800A or Smart Sensor 3D kit is needed. Pre-installed in WHC model.	Op.	Pre-installed	Op.	Op.	V1.1 or later
Fly Thru. kit	USFT-AI900A, USFT-AI900A/EL	This kit allows 3D display for displaying the internal walls of hollow organs and structures from endoluminal viewpoints as if viewed using an endoscope. (USMV-AI900A or USVM-AI800A or Smart Sensor 3D kit is needed.)	Op.	Op.	Op.	Op.	V1.1 or later
Shadow Glass kit	USSG-AI900A, USSG-AI900A/EL	Both superficial and deep structures in a specific region can be observed simultaneously by superimposing them. Simultaneous display with a color 4D image showing internal blood flow (CDI and SMI (Superb Micro-vascular Imaging)) is also possible.	Op.	Op.	Op.	Op.	V1.1 or later
Auto Volume Measurement kit	USOB-AI900A, USOB-AI900A/EL	Used for calculation of the volume by extracting the contours for regions with lower brightness in the 3D Volume image acquired in 4D mode. Enables volume measurement, e.g., antral follicle count. (USMV-AI900A is required.) (USMV-AI900A or USVM-AI800A or Smart Sensor 3D kit is needed.)	Op.	Op.	Op.	Op.	V2.0 or later
4D ADF/SMI kit	USVS-AI900A, USVS-AI900A/EL	This kit enables imaging in ADF (Advanced Dynamic Flow) and SMI (Superb Micro-vascular Imaging) modes using abdominal VX transducer.	Op.	Op.	Op.	Op.	V2.0 or later
4D CHI kit	USVC-AI900A, USVC-AI900A/EL	This kit enables imaging in CHI mode using abdominal VX transducers. (USHI-AI900A is required.)	Op.	Op.	Op.	Op.	V2.0 or later
3D Printer Format Export kit	USPF-AI900A, USPF-AI900A/EL	This kit enables output of volume data for Smart 3D, Mecha4D, Smart Sensor 3D, and Volume Matrix 3D to 3D printers.	Op.	Op.	Op.	Op.	V2.0 or later
Elastography-FLR kit	USEL-AI901A, USEL-AI901A/EL	This kit enables Elastography (with FLR measurement) with linear and convex transducers.*8	Op.	Op.	Op.	Op.	V1.1 or later
Elastography kit	USEL-AI900A, USEL-AI900A/EL	The kit enables Elastography with Strain ratio measurement.*8	Op.	Op.	Op.	Op.	V1.1 or later
Shear Wave kit	USSW-AI900A, USSW-AI900A/EL	This kit allows tissue stiffness to be visualized by generating images that show shear wave propagation.	Op.	Op.	Op.	Op.	V1.1 or later
Shear Wave Hard kit	USSW-AI901A, USSW-AI901A/EL	Upper limit and range are expanded from 200 kPa to 700 kPa to provide measurements of stiffer targets with the PLI-1205BX. (USSW-AI900A or USLP-AI900A is required.)	Op.	Op.	Op.	Op.	V6.0 or later
Quad View for SWE kit	USQS-AI800A, USQS-AI800A/EL	This kit allows display of Shear Wave images in four-frame display. (USSW-AI900A or USLP-AI900A is required.)	Op.	Op.	Std.	Std.	V1.1 or later

*1: Not available in the USA and Canada.
*2: USVM-AI800A is required to use PSI-28VX, PSI-30VX, PSI-50VX and PEI-512VX on i800 and i700 (except CV model). USVM-AI700A is required to use PSI-40VX on i700 (except CV model).
*3: USVM-AI800A is required to use PEI-512VX.
*4: This option is available in the USA, Canada, Europe, Australia, Turkey, Brazil, and South Korea.
*5: USVM-AI800A is required.
*6: Only available in Europe with Cardiovascular model.
*7: USVM-AI800A or USMV-AI900A is required.
*8: Not available in the USA.
*9: Only available in the USA.
*10: Magnetic Generator kit UIFR-AI900A is required separately.
*11: Only available in the CE marking regions and Canada.
*12: Not available in Europe.
*13: Std in CV model
*14: NA in CV model
*15: Op. in CV model

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NA: Not applicable

Unit	Model name	Remarks		Main unit				Applicable Version
				i700	i700 Women's Health	i800	i900	
Dispersion Map for SWE kit	USDM-AI900A, USDM-AI900A/EL	This kit enables visualization of dispersion between frequencies for propagation speed for Shear Wave. (USSW-AI900A is required.)		NA	NA	Op.	Op.	V2.0 or later
Smart Fusion kit	USFN-AI900A, USFN-AI900A/EL	CT/MRI/US volume data is loaded, and a CT/MRI/US planar image and an ultrasound image at the same position are displayed together. (UIFR-AI900A is required.)		Op.	Op.	Op.	Op.	V1.1 or later
Smart Navigation kit	USSN-AI900A, USSN-AI900A/EL	This kit allows display of a guideline in the image by simulating the pathway of the needle and the position of the needle tip based on positional information acquired using the magnetic sensor. (UIFR-AI900A etc. are required.)		Op.	Op.	Op.	Op.	V1.1 or later
Magnetic Generator kit	UIFR-AI900A	This kit is used to generate the magnetic field for acquiring positional information for transducers and needles in Smart Fusion, Smart Navigation, Smart Sensor 3D and Smart Body Mark modes. Sensor securing adapters and magnetic sensors are provided (One of each for the PVT-375BT, PVT-375SC, PVI-475BT and the PVI-475BX).		Op.	Op.	Op.	Op.	V1.1 or later
Sensor kit for Fusion unit	UIFR-A501A	This magnetic sensor is added for performing Smart Fusion, Smart Navigation, and Smart Sensor 3D using multiple transducers. (UIFR-AI900A is required.)		Op.	Op.	Op.	Op.	V1.1 or later
Auto Registration kit	USFN-AI901A, USFN-AI901A/EL	Used for the Smart Fusion function. Performs automatic position matching between the ultrasound volume data acquired in a previous exam and the real-time 2D ultrasound image.		Op.	Op.	Op.	Op.	V1.5 or later
Auto Track CT kit	610-1228	CIVCO omniTRAX™ Active Patient Tracker.	formerly UIOT-AI900A	Op.	Op.	Op.	Op.	V1.5 or later
	610-1066	CIVCO General Purpose Electromagnetic Sensor.						V1.5 or later
Auto Track MR kit	610-1306	CIVCO omniTRAX™ MR Active Patient Tracker.	formerly UIOT-AI901A	Op.	Op.	Op.	Op.	V1.5 or later
	610-1066	CIVCO General Purpose Electromagnetic Sensor.						V1.5 or later
Fusion Pole Cart	UZWT-A500A	This pole cart allows the magnetic field generator included in the system main unit to be positioned independently.		Op.	Op.	Op.	Op.	V1.1 or later
Mounting kit for Fusion Sensor	UAFS-001A	For PVT-382BT / PVT-482BT / PVI-482BX.*10		Op.	Op.	Op.	Op.	V1.1 or later
	UAFS-002A	For PVT-350BTP.*10		Op.	Op.	Op.	Op.	V1.1 or later
	UAFS-003A	For PVT-781VT.*10		Op.	Op.	Op.	Op.	V1.1 or later
	UAFS-004A	For PLT-1005BT.*10		Op.	Op.	Op.	Op.	V1.1 or later
	UAFS-005A	For PVL-715RST.*10		Op.	Op.	Op.	Op.	V1.1 or later
	UAFS-006A	For PVT-781VTE.*10		Op.	Op.	Op.	Op.	V1.1 or later
	UAFS-007A	For PVI-475BX / PVI-475BT.*10		Op.	Op.	Op.	Op.	V1.1 or later
	UAFS-008A	For PLI-1205BX / PLI-2004BX / PLI-705BX / PLI-605BX / PLI-3003BX / PVI-574BX / PVT-574BT.*10		Op.	Op.	Op.	Op.	V1.1 or later
	UAFS-009A	For PSI-30BX / PSI-30VX / PSI-40VX / PSI-50VX / PST-28BT / PST-65BT.*10		Op.	Op.	Op.	Op.	V1.5 or later
	UAFS-010A	For PLT-1202BT / PLI-2002BT.*10		Op.	Op.	Op.	Op.	V2.0 or later
	UAFS-011A	For PVI-450BXP.*10		Op.	Op.	Op.	Op.	V4.0 or later
Smart Navigation Sensor kit	610-1059	CIVCO VirtuTRAX™ Instrument Navigator.	formerly UISN-A500A	Op.	Op.	Op.	Op.	V1.1 or later
	610-1066	CIVCO General Purpose Electromagnetic Sensor.						
Breast Scan Guide kit	USMB-AI900A, USMB-AI900A/EL	This kit enables the information in the DICOM data from the digital Mammography MLO/CC images to be used to create an overlay position on the Ultrasound body mark when in reference mode.		Op.	Op.	Op.	Op.	V3.0 or later
Smart Body Mark kit	USSB-AI900A, USSB-AI900A/EL	This kit automatically traces and displays the anatomical position of the transducer mark based on the transducer position using a magnetic sensor. (UIFR-AI900A is required.)		Op.	Op.	Op.	Op.	V6.0 or later

*1: Not available in the USA and Canada.
*2: USVM-AI800A is required to use PSI-28VX, PSI-30VX, PSI-50VX and PEI-512VX on i800 and i700 (except CV model).
USVM-AI700A is required to use PSI-40VX on i700 (except CV model).
*3: USVM-AI800A is required to use PEI-512VX.
*4: This option is available in the USA, Canada, Europe, Australia, Turkey, Brazil, and South Korea.
*5: USVM-AI800A is required.
*6: Only available in Europe with Cardiovascular model.
*7: USVM-AI800A or USMV-AI900A is required.
*8: Not available in the USA.
*9: Only available in the USA.
*10: Magnetic Generator kit UIFR-AI900A is required separately.
*11: Only available in the CE marking regions and Canada.
*12: Not available in Europe.
*13: Std in CV model
*14: NA in CV model
*15: Op. in CV model

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Unit	Model name	Remarks	Main unit				Applicable Version
			i700	i700 Women's Health	i800	i900	
Smart Sensor 3D kit	USSS-AI900A, USSS-AI900A/EL	This function is used to display high-precision Smart 3D images by detecting the position of the transducer based on positional information acquired using the magnetic sensor. (UIFR-AI900A is required.)	Op.	Op.	Op.	Op.	V1.1 or later
MicroPure kit	USMP-AI900A, USMP-AI900A/EL	This kit enables MicroPure, which supports visualization of small structures.	Op.	Op.	Op.	Op.	V1.1 or later
3rd Harmonic Imaging kit	USTH-AI900A, USTH-AI900A/EL	This kit enables the 3rd Harmonic Imaging to obtain less artifacts.*1 Standard configuration in other regions.	Std.	Std.	Std.	Std.	V8.0 or later
Panoramic View kit	USPV-AI900A, USPV-AI900A/EL	B/W images can be obtained with a wider field of view by moving the transducer in a lateral direction.	Op.	Op.	Op.	Op.	V1.1 or later
Multi-reflection Canceller kit	USRC-AI900A, USRC-AI900A/EL	This function is used to visualize images with fewer artifacts by cancelling multiple reflections from the body.	Op.	Op.	Op.	Op.	V1.1 or later
Liver Package kit	USLP-AI900A, USLP-AI900A/EL	Combination kit of USSW-AI900A, USDM-AI900A, and USAT-AI900A.	NA	NA	Op.	Op.	V2.5 or later
Urology Package	UIUP-AI900A	UIFR-AI900A + UAFS-005A*8, *12 (USUP-AI900A is required.)	Op.	Op.	Op.	Op.	V8.0 or later
	USUP-AI900A, USUP-AI900A/EL	USFN-AI900A + USFN-AI901A + USHI-AI900A + USSW-AI900A.*8, *12 (UIUP-AI900A is required.)					
Doppler Luminance kit	USLD-AI900A, USLD-AI900A/EL	This kit allows display of the pseudo color doppler in three dimensions.	Op.	Op.	Op.	Op.	V4.0 or later
General Imaging kit	USGI-AI900A, USGI-AI900A/EL	This kit allows usage of General Imaging.	NA.	Op.	NA	NA	V4.0 or later
Attenuation Imaging kit	USAT-AI900A, USAT-AI900A/EL	This kit enables visualization of ultrasound frequency-dependent attenuation coefficient within tissue.	Op.	Op.	Op.	Op.	V2.0 or later
Slice Thickness Control kit	USSL-AI900A, USSL-AI900A/EL	This kit enables the slice thickness of the cross-sectional image to be changed.	Op.	Op.	Op.	Op.	V2.0 or later
Measurement Z score kit	USZS-AI900A, USZS-AI900A/EL	This kit enables Z-score analysis for the Fetal Heart measurement results.	Op.	Op.	Op.	Op.	V2.0 or later
OB kit	UAOB-AI900A	This kit consists of preset data suitable for OB examinations, an OB sticker, and a startup screen.	Op.	NA	Op.	Op.	V2.5 or later
Limb Volume Measurement kit	USTM-AI900A, USTM-AI900A/EL	This kit enables the calculation of EFW (Estimated Fetal Weight) from a Fetal thigh volume data set acquired by mechanical 4D transducer. (USMV-AI900A is required.)	Op.	Op.	Op.	Op.	V3.0 or later
Mounting kit for Peripheral unit	UZRI-AI900A	Rack for mounting a B/W printer (For UP-D898MD, P95D)	Op.	Op.	Op.	Op.	V1.1 or later
	UZRI-AI901A	Rack for mounting a B/W printer (For UP-D711/DC, P95DW-DC)	Op.	Op.	Op.	Op.	V1.1 or later
	UZRI-AI902A	Mounting kit for Color printer/DVD recorder. (Compatible with UIFR-AI900A.)	Op.	Op.	Op.	Op.	V1.1 or later
	UZRI-AI903A	Rack for mounting a B/W printer (For UP-D711/DC, P95DW-DC) (Compatible with UIFR-AI900A.)	Op.	Op.	Op.	Op.	V2.5 or later
	UZRI-AI904A	Mounting rack for B/W printer or Color printer or DVD recorder.	Op.	Op.	Op.	Op.	V3.0 or later
Foot switch	UZFS-004A	Switch used for freezing, printing, and some other operations by foot.	Op.	Op.	Op.	Op.	V1.1 or later
Gel warmer	UZGW-008A	This unit warms the ultrasound gel to a suitable temperature.	Op.	Op.	Op.	Op.	V1.1 or later
Transducer Cable Hanger kit	UZMK-AI900A	Long hanger on which the transducer cable is hooked.	Op.	Op.	Op.	Op.	V1.1 or later
Transducer Holder kit	UZBK-AI900A	A basket to store transducer connectors is added to the side of the system main unit. (One basket is provided in the standard configuration.)	Op.	Op.	Op.	Op.	V1.1 or later

*1: Not available in the USA and Canada.
*2: USVM-AI800A is required to use PSI-28VX, PSI-30VX, PSI-50VX and PEI-512VX on i800 and i700. (except CV model)
USVM-AI700A is required to use PSI-40VX on i700 (except CV model).
*3: USVM-AI800A is required to use PEI-512VX.
*4: This option is available in the USA, Canada, Europe, Australia, Turkey, Brazil, and South Korea.
*5: USVM-AI800A is required.
*6: Only available in Europe with Cardiovascular model.
*7: USVM-AI800A or USMV-AI900A is required.
*8: Not available in the USA.
*9: Only available in the USA.
*10: Magnetic Generator kit UIFR-AI900A is required separately.
*11: Only available in the CE marking regions and Canada.
*12: Not available in Europe.
*13: Std in CV model
*14: NA in CV model
*15: Op. in CV model

Op.: Option
Std.: Standard
NA: Not applicable

Unit	Model name	Remarks	Main unit				Applicable Version
			i700	i700 Women's Health	i800	i900	
Wireless LAN kit	UIWL-A500A	This kit used to establish connection to the DICOM network via wireless LAN. Complies with the Radio Law of Japan and applicable laws and regulations of the USA, Canada, EU member states, Iceland, Norway, Liechtenstein, and Switzerland.	Op.	Op.	Op.	Op.	V1.1 or later
	UIWL-AI900A	This kit enables connection to the DICOM network via wireless LAN. (For Singapore, Russia, Australia, and Turkey.)	Op.	Op.	Op.	Op.	V2.0 or later
	UIWL-AI901A	This kit enables connection to the DICOM network via wireless LAN. Only for the USA.	Op.	Op.	Op.	Op.	V6.5 or later
EV/ER Transducer Holder kit	UZPH-AI900A	This kit is used to add a dedicated holder for endocavitary transducers.	Op.	Op.	Op.	Op.	V1.1 or later
Keyboard kit	UIKB-AI900A	This kit is used to add a hardware full keyboard for entering the patient ID and comments.	Op.	Op.	Op.	Op.	V1.1 or later
2nd Console kit	UITB-AI900A	This kit adds a tablet terminal that communicates with the system main unit via wireless LAN to allow viewing and easy operation of the examination screen. Complies with the Radio Law of Japan and applicable laws and regulations of the USA, Canada, EU member states, Iceland, Norway, Liechtenstein, and Switzerland. (UIWL-A500A is included.)	Op.	Op.	Op.	Op.	V1.1 or later
OLED Monitor unit	UIOM-001A	21.6-inch wide OLED Monitor to replace 23-inch LCD Monitor with LED back light.	Op.	Op.	Op.	Op.	V4.0 or later
DataBase for External HDD kit	USDB-AI900A, USDB-AI900A/EL	Function for setting up the patient database in the USB HDD in order to perform examinations. (UZHI-AI900A is required.)	Op.	Op.	Op.	Op.	V1.5 or later
Mounting kit for External HDD	UZHI-AI900A	Box with lock for installing the external HDD. HDD itself is not included. (USDB-AI900A is required.)	Op.	Op.	Op.	Op.	V1.5 or later
ECG Cable Hanger kit	UZMK-AI902A	Hook used to hang the ECG cables on the front of the operating panel.	Op.	Op.	Op.	Op.	V5.0 or later
Panel USB Port kit	UIUB-AI900A	Kit for adding a USB port to the operating panel. (Not available with UIST-AI900A, UIST-AI901A.)	Op.	Op.	Op.	Op.	V1.5 or later
Palm Controller kit	UZPT-001A	Pointing device, dial on track ball allows easier Gain adjustment without reaching out for another buttons. Applicable with the system which was shipped as V5.0 or V5.1. For white panels.	Op.	Op.	Op.	Op.	V5.0 or V5.1
	UZPT-002A	Pointing device, dial on track ball allows easier Gain adjustment without reaching out for another buttons. Applicable with the system which was shipped as V6.0 or later. For black panels.	Op.	Op.	Op.	Op.	V6.0 or later
Battery unit	UEBT-AI900A	A battery kit to provide approximately 30 minutes of operation without being connected to a power outlet.	Op.	Op.	Op.	Op.	V2.0 or later
Online Help kit	USHE-AI900A, USHE-AI900A/EL	Kit for displaying the operation manual on the viewing monitor.	Op.	Op.	Op.	Op.	V1.5 or later
Protocol Assistant kit	USPA-AI900A, USPA-AI900A/EL	A sequence of operations is registered, and each operation is executed by single switch operation. (Not necessary when USSE-AI900A is installed.)	Op.	Op.	Op.	Op.	V1.1 or later
MSK Protocol Movie kit	USPA-AI901A, USPA-AI901A/EL	A demonstration movie by Dr Inigo Iriate, Professor of Ultrasound of the Spanish Society of Rehabilitation & Physical Medicine which demonstrates practical scanning and the anatomy of the shoulder for the purpose of skill development. (USPA-AI900A or USSE-AI900A is required.)	Op.	Op.	Op.	Op.	V6.0 or later
Multi Parametric Report kit	USDL-AI900A, USDL-AI900A/EL	This kit enables a combined report for the following liver applications: Shear Wave Elastography, Dispersion Imaging and Attenuation Imaging. (USSW-AI900A or USLP-AI900A is required.)	Op.	Op.	Op.	Op.	V3.0 or later
Women's Healthcare kit	UAWH-AI900A	This kit provides a system label, and a startup screen suitable for dedicated Woman's Healthcare systems.	Op.	NA	Op.	Op.	V3.0 or later
Security Management kit	USSM-AI900A	This kit provides McAfee® software for security management of the system.	Op.	Op.	Op.	Op.	V1.1 or later
RADS kit	USRA-AI900A, USRA-AI900A/EL	This kit enables the Reporting and Data System.	Op.	Op.	Op.	Op.	V5.0 or later

*1: Not available in the USA and Canada.
*2: USVM-AI800A is required to use PSI-28VX, PSI-30VX, PSI-50VX and PEI-512VX on i800 and i700. (except CV model)
USVM-AI700A is required to use PSI-40VX on i700 (except CV model).
*3: USVM-AI800A is required to use PEI-512VX.
*4: This option is available in the USA, Canada, Europe, Australia, Turkey, Brazil, and South Korea.
*5: USVM-AI800A is required.
*6: Only available in Europe with Cardiovascular model.
*7: USVM-AI800A or USMV-AI900A is required.
*8: Not available in the USA.
*9: Only available in the USA.
*10: Magnetic Generator kit UIFR-AI900A is required separately.
*11: Only available in the CE marking regions and Canada.
*12: Not available in Europe.
*13: Std in CV model
*14: NA in CV model
*15: Op. in CV model

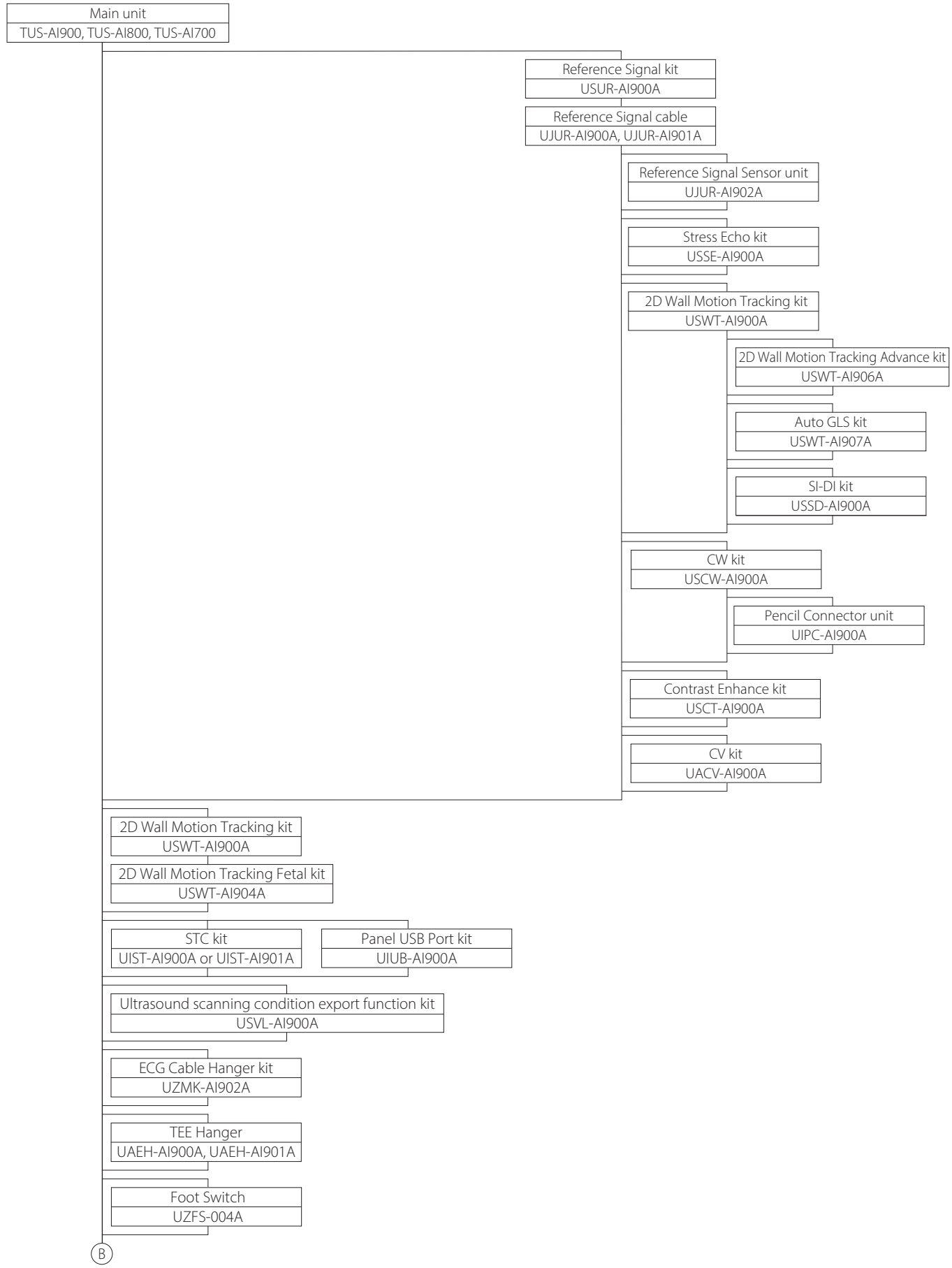
Op.: Option
Std.: Standard
NA: Not applicable

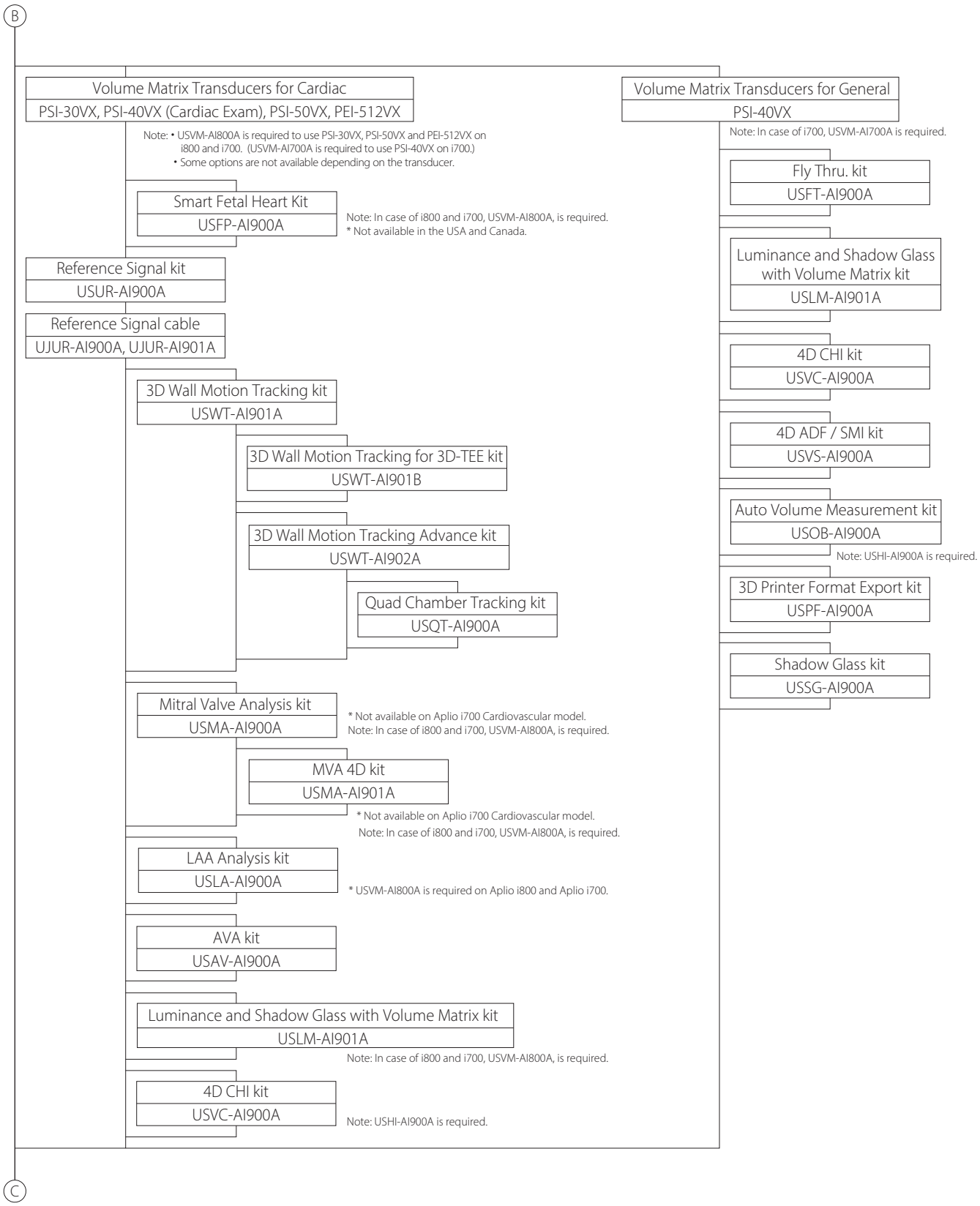
Unit	Model name	Remarks	Main unit				Applicable Version
			i700	i700 Women's Health	i800	i900	
IOTA kit	USIO-AI900A, USIO-AI900A/EL	This kit enables International Ovarian Tumor Analysis.*11	Op.	Op.	Op.	Op.	V4.0 or later
Network Storage kit	USNA-AI900A, USNA-AI900A/EL	This kit enables large capacity RAW data management with NAS (Network Attached Storage) which is commercially available. (NAS itself is not included.)	Op.	Op.	Op.	Op.	V6.0 or later
Tricefy Access kit	USTR-AI900A, USTR-AI900A/EL	This kit enables to access Tricefy which is a cloud service for clinical images.	Op.	Op.	Op.	Op.	V6.0 or later
ApliGate kit	UIAG-001A	Video capture unit, HDMI to USB converter. (USAG-001A is required.)	Op.	Op.	Op.	Op.	V6.5 or later
ApliGate Soft kit	USAG-001A, USAG-001A/EL	ApliGate software. (UIAG-001A is required.)	Op.	Op.	Op.	Op.	V6.5 or later
ApliCam kit	USWC-AI900A, USWC-AI900A/EL	Video clip captured by the camera (not included in the kit) which is connected to the main unit can be displayed on the screen as a picture-in-picture.	Op.	Op.	Op.	Op.	V7.0 or later
Ultra High Freq kit	USUH-AI700A, USUH-AI700A/EL	This kit enables use of 22-MHz, 24-MHz, 33-MHz transducers.	Op.*14	Op.	Std.*14	Std.	V2.0 or later
Track Ball kit	UZTB-AI900A	Newly designed (heavier) trackball to improved user response and therefore workflow. V5.1 or before.	Op.	Op.	Op.	Op.	V2.5 to V5.1
	UZTB-AI901A	Newly designed (heavier) trackball to improved user response and therefore workflow. For V6.0 or later.	Op.	Op.	Op.	Op.	V6.0 or later
Local Language Key-Top kit	UZKF-AI900A (French)	This kit is intended to change the key tops of the full keyboard to support specific languages. (UIKB-AI900A is required.)	Op.	Op.	Op.	Op.	V1.1 or later
	UZKG-AI900A (German)						
	UZKI-AI900A (Italian)						
	UZKS-AI900A (Spanish)						
	UZKD-AI900A (Danish)						
	UZKN-AI900A (Norwegian)						
	UZKW-AI900A (Scandinavian)						
	UZKR-AI900A (Russian)						
	UZKP-AI900A (Portuguese)						V8.2 or later
	UZKH-AI900A (Hungarian)						

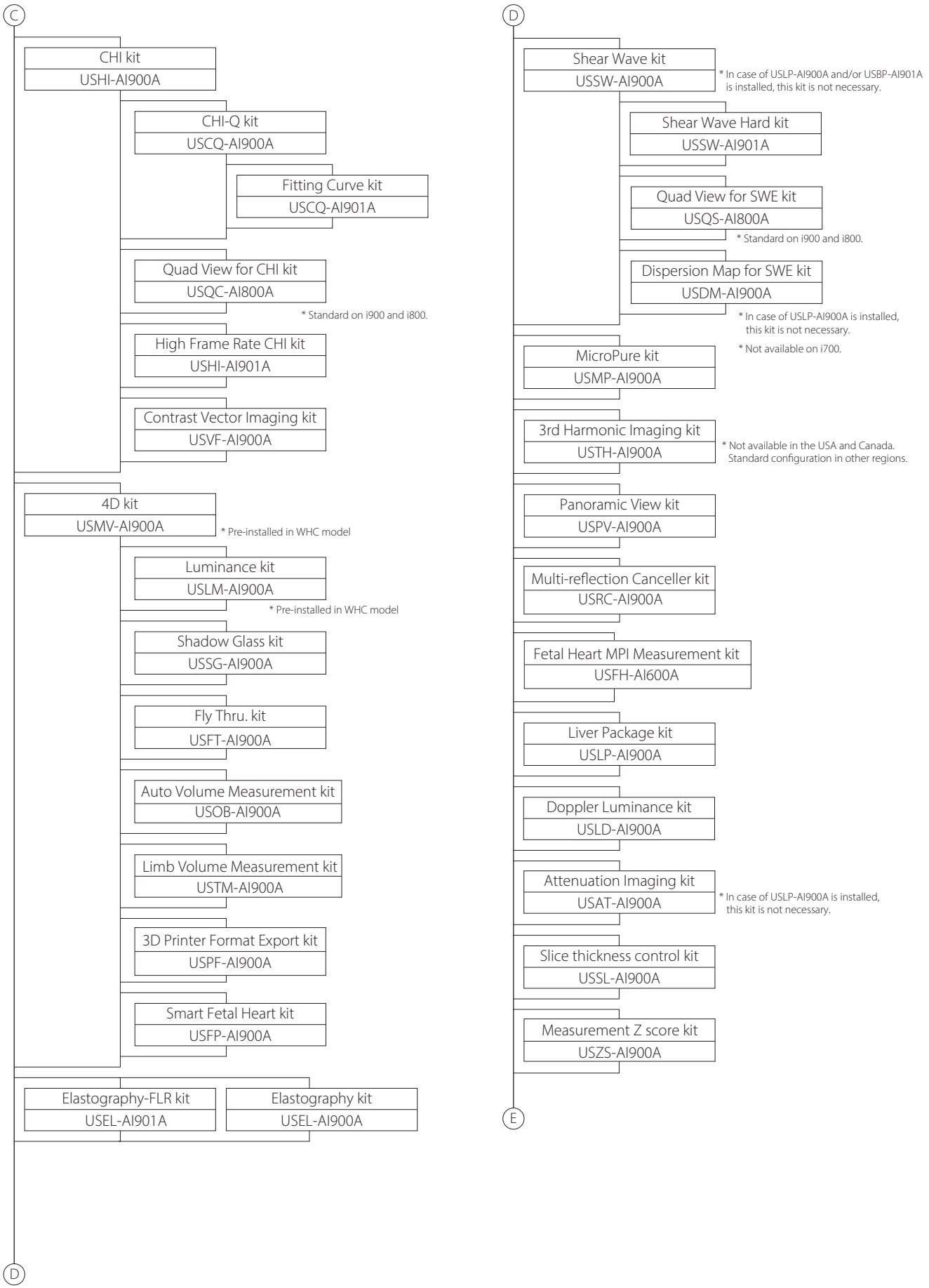
*1: Not available in the USA and Canada.
*2: USVM-AI800A is required to use PSI-28VX, PSI-30VX, PSI-50VX and PEI-512VX on i800 and i700. (except CV model)
USVM-AI700A is required to use PSI-40VX on i700 (except CV model).
*3: USVM-AI800A is required to use PEI-512VX.
*4: This option is available in the USA, Canada, Europe, Australia, Turkey, Brazil, and South Korea.
*5: USVM-AI800A is required.
*6: Only available in Europe with Cardiovascular model.
*7: USVM-AI800A or USMV-AI900A is required.
*8: Not available in the USA.
*9: Only available in the USA.
*10: Magnetic Generator kit UIFR-AI900A is required separately.
*11: Only available in the CE marking regions and Canada.
*12: Not available in Europe.
*13: Std in CV model
*14: NA in CV model
*15: Op. in CV model

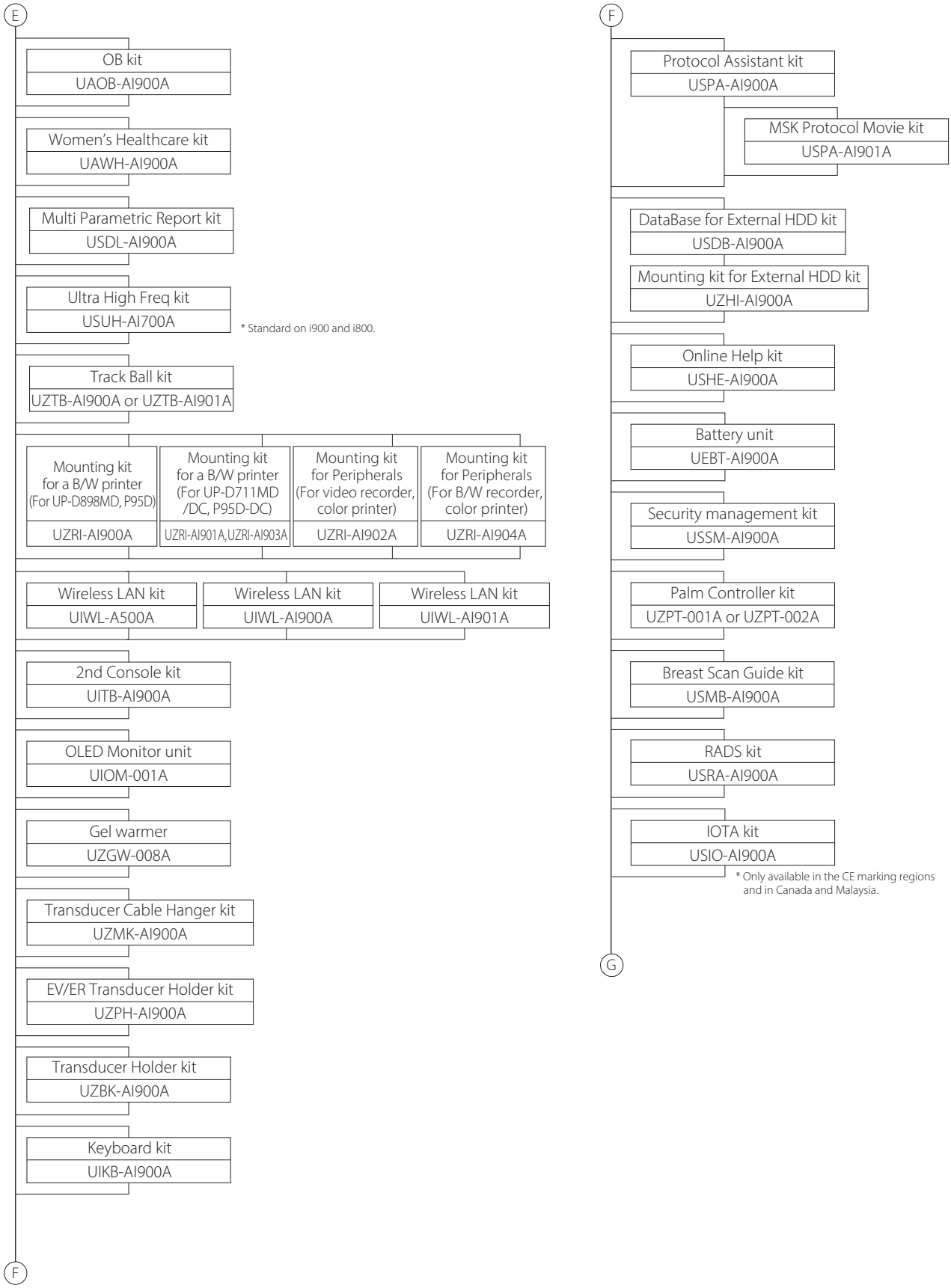
Op.: Option
Std.: Standard
NA: Not applicable

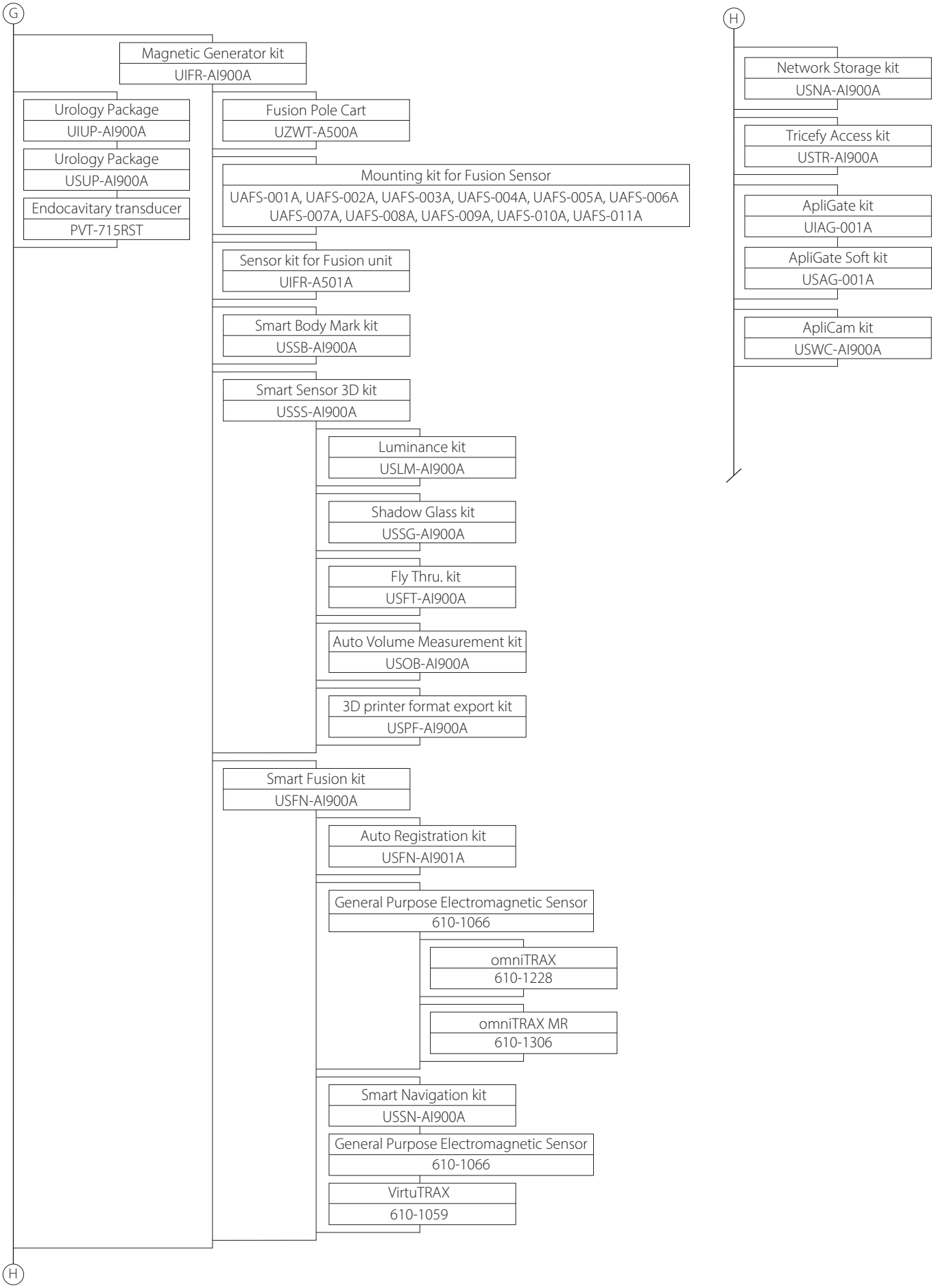
BLOCK CHART SYSTEMS




B
Volume Matrix Transducers for Cardiac
PSI-30VX, PSI-40VX (Cardiac Exam), PSI-50VX, PEI-512VX
Note: • USVM-AI800A is required to use PSI-30VX, PSI-50VX and PEI-512VX on i800 and i700. (USVM-AI700A is required to use PSI-40VX on i700.)
• Some options are not available depending on the transducer.
Smart Fetal Heart Kit
USFP-AI900A
Note: In case of i800 and i700, USVM-AI800A, is required.
* Not available in the USA and Canada.
Reference Signal kit
USUR-AI900A
Reference Signal cable
UJUR-AI900A, UJUR-AI901A
3D Wall Motion Tracking kit
USWT-AI901A
3D Wall Motion Tracking for 3D-TEE kit
USWT-AI901B
3D Wall Motion Tracking Advance kit
USWT-AI902A
Quad Chamber Tracking kit
USQT-AI900A
Mitral Valve Analysis kit
USMA-AI900A
* Not available on Aplio i700 Cardiovascular model.
Note: In case of i800 and i700, USVM-AI800A, is required.
MVA 4D kit
USMA-AI901A
* Not available on Aplio i700 Cardiovascular model.
Note: In case of i800 and i700, USVM-AI800A, is required.
LAA Analysis kit
USLA-AI900A
* USVM-AI800A is required on Aplio i800 and Aplio i700.
AVA kit
USAV-AI900A
Luminance and Shadow Glass with Volume Matrix kit
USLM-AI901A
Note: In case of i800 and i700, USVM-AI800A, is required.
4D CHI kit
USVC-AI900A
Note: USHI-AI900A is required.
Volume Matrix Transducers for General
PSI-40VX
Note: In case of i700, USVM-AI700A is required.
Fly Thru. kit
USFT-AI900A
Luminance and Shadow Glass with Volume Matrix kit
USLM-AI901A
4D CHI kit
USVC-AI900A
4D ADF / SMI kit
USVS-AI900A
Auto Volume Measurement kit
USOB-AI900A
Note: USHI-AI900A is required.
3D Printer Format Export kit
USPF-AI900A
Shadow Glass kit
USSG-AI900A
C


C
CHI kit
USHI-AI900A
CHI-Q kit
USCQ-AI900A
Fitting Curve kit
USCQ-AI901A
Quad View for CHI kit
USQC-AI800A
* Standard on i900 and i800.
High Frame Rate CHI kit
USHI-AI901A
Contrast Vector Imaging kit
USVF-AI900A
4D kit
USMV-AI900A
* Pre-installed in WHC model
Luminance kit
USLM-AI900A
* Pre-installed in WHC model
Shadow Glass kit
USSG-AI900A
Fly Thru. kit
USFT-AI900A
Auto Volume Measurement kit
USOB-AI900A
Limb Volume Measurement kit
USTM-AI900A
3D Printer Format Export kit
USPF-AI900A
Smart Fetal Heart kit
USFP-AI900A
Elastography-FLR kit
USEL-AI901A
Elastography kit
USEL-AI900A
D
D
Shear Wave kit
USSW-AI900A
* In case of USLP-AI900A and/or USBP-AI901A is installed, this kit is not necessary.
Shear Wave Hard kit
USSW-AI901A
Quad View for SWE kit
USQS-AI800A
* Standard on i900 and i800.
Dispersion Map for SWE kit
USDM-AI900A
* In case of USLP-AI900A is installed, this kit is not necessary.
* Not available on i700.
MicroPure kit
USMP-AI900A
3rd Harmonic Imaging kit
USTH-AI900A
* Not available in the USA and Canada. Standard configuration in other regions.
Panoramic View kit
USPV-AI900A
Multi-reflection Canceller kit
USRC-AI900A
Fetal Heart MPI Measurement kit
USFH-AI600A
Liver Package kit
USLP-AI900A
Doppler Luminance kit
USLD-AI900A
Attenuation Imaging kit
USAT-AI900A
* In case of USLP-AI900A is installed, this kit is not necessary.
Slice thickness control kit
USSL-AI900A
Measurement Z score kit
USZS-AI900A
E


E
OB kit
UAOB-AI900A
Women's Healthcare kit
UAWH-AI900A
Multi Parametric Report kit
USDL-AI900A
Ultra High Freq kit
USUH-AI700A
* Standard on i900 and i800.
Track Ball kit
UZTB-AI900A or UZTB-AI901A
Mounting kit for a B/W printer (For UP-D898MD, P95D)
UZRI-AI900A
Mounting kit for a B/W printer (For UP-D711MD /DC, P95D-DC)
UZRI-AI901A,UZRI-AI903A
Mounting kit for Peripherals (For video recorder, color printer)
UZRI-AI902A
Mounting kit for Peripherals (For B/W recorder, color printer)
UZRI-AI904A
Wireless LAN kit
UIWL-A500A
Wireless LAN kit
UIWL-AI900A
Wireless LAN kit
UIWL-AI901A
2nd Console kit
UITB-AI900A
OLED Monitor unit
UIOM-001A
Gel warmer
UZGW-008A
Transducer Cable Hanger kit
UZMK-AI900A
EV/ER Transducer Holder kit
UZPH-AI900A
Transducer Holder kit
UZBK-AI900A
Keyboard kit
UIKB-AI900A
F
F
Protocol Assistant kit
USPA-AI900A
MSK Protocol Movie kit
USPA-AI901A
DataBase for External HDD kit
USDB-AI900A
Mounting kit for External HDD kit
UZHI-AI900A
Online Help kit
USHE-AI900A
Battery unit
UEBT-AI900A
Security management kit
USSM-AI900A
Palm Controller kit
UZPT-001A or UZPT-002A
Breast Scan Guide kit
USMB-AI900A
RADS kit
USRA-AI900A
IOTA kit
USIO-AI900A
* Only available in the CE marking regions and in Canada and Malaysia.
G


G
Magnetic Generator kit
UIFR-AI900A
Urology Package
UIUP-AI900A
Urology Package
USUP-AI900A
Endocavitary transducer
PVT-715RST
Fusion Pole Cart
UZWT-A500A
Mounting kit for Fusion Sensor
UAFS-001A, UAFS-002A, UAFS-003A, UAFS-004A, UAFS-005A, UAFS-006A
UAFS-007A, UAFS-008A, UAFS-009A, UAFS-010A, UAFS-011A
Sensor kit for Fusion unit
UIFR-A501A
Smart Body Mark kit
USSB-AI900A
Smart Sensor 3D kit
USSS-AI900A
Luminance kit
USLM-AI900A
Shadow Glass kit
USSG-AI900A
Fly Thru. kit
USFT-AI900A
Auto Volume Measurement kit
USOB-AI900A
3D printer format export kit
USPF-AI900A
Smart Fusion kit
USFN-AI900A
Auto Registration kit
USFN-AI901A
General Purpose Electromagnetic Sensor
610-1066
omniTRAX
610-1228
omniTRAX MR
610-1306
Smart Navigation kit
USSN-AI900A
General Purpose Electromagnetic Sensor
610-1066
VirtuTRAX
610-1059
H
H
Network Storage kit
USNA-AI900A
Tricefy Access kit
USTR-AI900A
ApliGate kit
UIAG-001A
ApliGate Soft kit
USAG-001A
ApliCam kit
USWC-AI900A

TRANSDUCER OPTIONS/OPERATION MODES

Model name	Number of elements	Label	Freq. (MHz)	Displayed range of frequency (MHz)	2D	Precision Imaging	ApliPure	3rd Harmonic imaging*2	Ultra Wide view	Slice Thickness	Micro Pure*1	BEAM	M	CDI	Power
PSI-28VX	–	i6SVX1	3.0	1.8~5.0	✓	✓	–	–	–	–	–	–	✓	✓	✓
PSI-30BX	–	i6SX1	3.0	1.5~6.0	✓	✓	–	–	–	✓	–	–	✓	✓	✓
PSI-30VX	–	i6SVX1	3.0	1.8~5.2	✓	✓	–	–	–	–	–	–	✓	✓	✓
PSI-40VX	–	i6SVX2	4.0	1.8~6.0	✓	✓	–	–	–	–	–	–	✓	✓	✓
PSI-50VX	–	i7SVX2	5.0	2.2~6.0	✓	✓	–	–	–	–	–	–	✓	✓	✓
PSI-70BT	128	i10S4	7.0	3.5~9.0	✓	✓	–	–	–	–	–	–	✓	✓	✓
PST-25BT	90	5S1	2.5	1.7~4.7	✓	✓	–	–	–	–	–	–	✓	✓	✓
PST-28BT	96	6S1	3.0	1.5~6.0	✓	✓	–	–	–	–	–	–	✓	✓	✓
PST-30BT	96	5S2	3.0	1.7~5.2	✓	✓	–	–	–	–	–	–	✓	✓	✓
PST-50BT	96	6S3	5.0	3.0~8.2	✓	✓	–	–	–	–	–	–	✓	✓	✓
PST-65BT	128	12S4	7.0	3.5~12.0	✓	✓	–	–	–	–	–	–	✓	✓	✓
PVI-482BX	–	i8MCX1	4.0	1.8~6.0	✓	✓	✓	–	–	✓	–	–	✓	✓	✓
PVI-475BT	192	i8C1	4.0	1.8~6.4	✓	✓	✓	–	✓	–	–	–	✓	✓	✓
PVI-475BX	–	i8CX1	4.0	1.8~6.4	✓	✓	✓	✓	✓	✓	–	–	✓	✓	✓
PVI-450BXP	–	i8CXP1	4.0	1.8~6.2	✓	✓	✓	–	–	✓	–	–	✓	✓	✓
PVI-574BX	–	i10CX1	5.0	2.0~9.5	✓	✓	✓	–	✓	✓	–	–	✓	✓	✓
PVT-350BTP	160	6CP1	3.5	2.0~4.5	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PVT-375BT	160	6C1	3.5	1.5~6.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PVT-375SC	160	6Cs1	3.5	1.5~6.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PVT-382BT	128	6MC1	3.5	2.0~5.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PVT-482BT	160	8MC1	4.0	1.8~6.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PVT-574BT	192	10C1	5.0	2.0~9.7	✓	✓	✓	–	✓	–	–	–	✓	✓	✓
PVT-674BT	192	10C3	6.0	3.5~9.7	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PVT-675MVL	192	9CV2	6.0	2.5~7.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PVT-675MVS	192	9CV2	6.0	2.5~7.5	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PVT-681MVL	192	11CV3	6.0	3.6~11.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PVT-712BT	128	11MC4	7.0	4.3~11.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PVT-745BTF	128	11CI4	7.0	3.0~10.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PVT-745BTH	128	11CI4	7.0	3.0~10.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PVT-745BTV	128	11CI4	7.0	3.2~10.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PVT-770RT	128	10C5	7.0	4.7~10.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PVT-781VT	150	11C3	7.0	3.6~11.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PVT-781VTE	150	11C3	7.0	3.6~11.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PVL-715RST Convex	128	11CL4	7.5	4.5~9.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PVL-715RST Linear	128	11CL4	7.5	4.5~9.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PLI-705BX	–	i11LX3	7.0	3.0~11.5	✓	✓	✓	–	–	✓	–	✓	✓	✓	✓
PLI-605BX	–	i9LX2	6.0	2.8 – 9.0	✓	✓	✓	–	–	✓	–	✓	✓	✓	✓
PLI-1205BX	–	i18LX5	12.0	4.0~18.3	✓	✓	✓	–	–	✓	✓	✓	✓	✓	✓
PLI-2002BT	160	i22LH8	20.0	8.8~22.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PLI-2004BX	–	i24LX8	20.0	8.8~24.0	✓	✓	✓	–	–	✓	–	✓	✓	✓	✓
PLI-3003BX	–	i33LX9	30.0	10.0~33.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PLT-308BTP	128	6LP3	3.75	2.0~5.5	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PLT-704SBT	192	11L4	7.5	4.0~10.5	✓	✓	✓	–	–	–	–	✓	✓	✓	✓
PLT-705BT	192	11L3	7.0	3.0~8.5	✓	✓	✓	–	–	–	–	✓	✓	✓	✓
PLT-705BTF	192	11LI4	7.0	3.8~8.4	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PLT-705BTH	192	11LI4	7.0	3.8~8.4	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PLT-1005BT	192	14L5	10.0	3.8~14.0	✓	✓	✓	–	–	–	✓	✓	✓	✓	✓
PLT-1202BT	128	17LH7	12.0	4.5~17.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PLT-1204BT	192	18L7	12.0	4.5~18.1	✓	✓	✓	–	–	–	✓	✓	✓	✓	✓
PEI-512VX	–	i6SVX2	5.0	1.8~6.6	✓	✓	–	–	–	–	–	–	✓	✓	–
PET-508MA	48	7S3	5.0	2.5~7.0	✓	✓	–	–	–	–	–	–	✓	✓	–
PET-609MA	32	8S3	6.0	3.6~8.0	✓	✓	–	–	–	–	–	–	✓	✓	–
PET-512MA	64	8S2	5.0	3.0~6.5	✓	✓	–	–	–	–	–	–	✓	✓	–
PET-512MB	64	8S2	5.0	3.0~8.5	✓	✓	–	–	–	–	–	–	✓	✓	–
PET-512MC	64	8SM2	5.0	3.0~6.5	✓	✓	–	–	–	–	–	–	✓	✓	–
PET-512MD	64	8SM2	5.0	3.0~8.5	✓	✓	–	–	–	–	–	–	✓	✓	–
PET-805LA	128	12LI4	8.0	3.5~9.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PET-835LA	–	12CI4	8.0	3.5~9.0	✓	✓	✓	–	–	–	–	–	✓	✓	✓
PC-20M	–	P2	2.0	2.0	–	–	–	–	–	–	–	–	–	–	–
PC-50M	–	P5	5.0	5.0	–	–	–	–	–	–	–	–	–	–	–

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*8: Optional software USVM-AI800A is required.
*9: Optional software USVM-AI700A is required.
*10: Optional software USUH-AI700A is required.
*11: Using Single Crystal technology.
*12: Optional unit UIPC-AI900A is required.

TRANSDUCER OPTIONS/OPERATION MODES

Model name		TDI	Elasto-graphy*1	SMI/ ADF	Shear Wave*1	ATI*1	PWD	CWD*4	CHI*1					4D*1	Volume color*1
									2D	SMI	ADF	MFI	VRI		
PSI-28VX		✓	–	✓	–	–	✓	✓	✓	–	–	✓	–	✓	✓
PSI-30BX		✓	–	✓	–	–	✓	✓	✓	–	–	✓	–	–	–
PSI-30VX		✓	–	✓	–	–	✓	✓	✓	–	–	✓	–	✓	✓
PSI-40VX		✓	–	✓	–	–	✓	✓	✓	✓	–	✓	–	✓	✓
PSI-50VX		✓	–	✓	–	–	✓	✓	–	–	–	–	–	✓	✓
PSI-70BT		✓	–	✓	–	–	✓	✓	✓	–	–	✓	–	–	–
PST-25BT		✓	–	✓	–	–	✓	✓	–	–	–	–	–	–	–
PST-28BT		✓	–	✓	–	–	✓	✓	✓	–	–	✓	–	–	–
PST-30BT		✓	–	✓	–	–	✓	✓	✓	–	–	✓	–	–	–
PST-50BT		✓	–	✓	–	–	✓	✓	–	–	–	–	–	–	–
PST-65BT		✓	–	✓	–	–	✓	✓	–	–	–	–	–	–	–
PVI-482BX		–	–	✓	–	–	✓	–	✓	✓	✓	✓		–	–
PVI-475BT		✓	✓	✓	✓	✓	✓	–	✓	✓	✓	✓	✓	–	–
PVI-475BX		✓	✓	✓	✓	✓	✓	–	✓	✓	✓	✓	✓	–	–
PVI-450BXP		–	–	✓	–	–	✓	–	✓	✓	✓	✓	–	–	–
PVI-574BX		✓	–	✓	✓	–	✓	–	✓	✓	✓	✓	–	–	–
PVT-350BTP		–	–	✓	–	–	✓	–	✓	✓	✓	✓	–	–	–
PVT-375BT		–	✓	✓	✓	✓	✓	–	✓	✓	✓	✓	✓	–	–
PVT-375SC		–	✓	✓	✓	✓	✓	–	✓	✓	✓	✓	✓	–	–
PVT-382BT		–	–	✓	–	–	✓	–	✓	✓	✓	✓	–	–	–
PVT-482BT		–	–	✓	–	–	✓	–	✓	✓	✓	✓	–	–	–
PVT-574BT		✓	–	✓	✓	–	✓	–	✓	✓	✓	✓	–	–	–
PVT-674BT		✓	–	✓	–	–	✓	–	✓	✓	–	✓	–	–	–
PVT-675MVL		–	–	✓	–	–	✓	–	–	–	–	–	–	✓	✓
PVT-675MVS		–	–	✓	–	–	✓	–	–	–	–	–	–	✓	✓
PVT-681MVL		–	✓	✓	–	–	✓	–	✓	✓	–	✓	–	✓	✓
PVT-712BT		–	–	✓	–	–	✓	–	–	–	–	–	–	–	–
PVT-745BTF		–	–	✓	–	–	✓	–	✓	–	–	✓	–	–	–
PVT-745BTH		–	–	✓	–	–	✓	–	✓	–	–	✓	–	–	–
PVT-745BTV		–	–	✓	–	–	✓	–	–	–	–	–	–	–	–
PVT-770RT		–	–	✓	–	–	✓	–	–	–	–	–	–	–	–
PVT-781VT		–	✓	✓	✓	–	✓	–	✓	✓	–	✓	–	–	–
PVT-781VTE		–	✓	✓	✓	–	✓	–	✓	✓	–	✓	–	–	–
PVL-715RST	Convex	–	✓	✓	–	–	✓	–	✓	–	–	✓	–	–	–
	Linear	–	–	✓	–	–	✓	–	–	–	–	–	–	–	–
PLI-705BX		–	–	✓	✓	–	✓	–	✓	✓	–	✓	–	–	–
PLI-605BX		–	–	✓	✓	–	✓	–	✓	✓	–	✓	–	–	–
PLI-1205BX		–	✓	✓	✓	–	✓	–	✓	✓	✓	✓	✓	–	–
PLI-2002BT		–	✓	✓	–	–	✓	–	✓*5	✓*5	–	✓*5	–	–	–
PLI-2004BX		–	✓	✓	–	–	✓	–	✓*5	✓*5	–	✓*5	–	–	–
PLI-3003BX		–	–	✓	–	–	✓	–	–	–	–	–	–	–	–
PLT-308BTP		–	–	✓	–	–	✓	–	–	–	–	–	–	–	–
PLT-704SBT		–	–	✓	–	–	✓	–	✓	✓	–	✓	–	–	–
PLT-705BT		–	–	✓	–	–	✓	–	✓	✓	–	✓	–	–	–
PLT-705BTF		–	–	✓	–	–	✓	–	✓*5	–	–	✓*5	–	–	–
PLT-705BTH		–	–	✓	–	–	✓	–	✓*5	–	–	✓*5	–	–	–
PLT-1005BT		–	✓	✓	✓	–	✓	–	✓	✓	✓	✓	✓	–	–
PLT-1202BT		–	✓	✓	–	–	✓	–	✓*5	–	–	✓*5	–	–	–
PLT-1204BT		–	✓	✓	–	–	✓	–	✓	✓	–	✓	–	–	–
PEI-512VX		✓	–	–	–	–	✓	✓	–	–	–	–	–	✓	✓
PET-508MA		✓	–	–	–	–	✓	✓	–	–	–	–	–	–	–
PET-609MA		✓	–	–	–	–	✓	✓	–	–	–	–	–	–	–
PET-512MA		✓	–	–	–	–	✓	✓	–	–	–	–	–	–	–
PET-512MB		✓	–	–	–	–	✓	✓	–	–	–	–	–	–	–
PET-512MC		✓	–	–	–	–	✓	✓	–	–	–	–	–	–	–
PET-512MD		✓	–	–	–	–	✓	✓	–	–	–	–	–	–	–
PET-805LA		–	✓	✓	–	–	✓	–	✓	✓*2	–	✓	–	–	–
PET-835LA		–	✓	✓	–	–	✓	–	✓	✓*2	–	✓	–	–	–
PC-20M		–	–	–	–	–	–	✓	–	–	–	–	–	–	–
PC-50M		–	–	–	–	–	–	✓	–	–	–	–	–	–	–

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*6: Depends on the preset.
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*8: Optional software USVM-AI800A is required.
*9: Optional software USVM-AI700A is required.
*10: Optional software USUH-AI700A is required.
*11: Using Single Crystal technology.
*12: Optional unit UIPC-AI900A is required.

TRANSDUCER OPTIONS/OPERATION MODES

Model name	STIC*3	STIC Color*3	Smart 3D	Sensor 3D*1	Fusion*1	Smart Navigation*1	2D*1 WMT	3D WMT*1	Main unit			CVI*1	Applicable Version	Remarks
									i700	i800	i900			
PSI-28VX	–	–	–	✓	✓	–	✓	✓	✓	✓	✓	–	V8.0 or later V7.0 or later in the USA	*11
PSI-30BX	–	–	–	✓	✓	–	✓	–	✓	✓	✓	–	–	*11
PSI-30VX	–	–	–	–	✓	–	✓	✓	✓*8	✓*8	✓	–	–	*11
PSI-40VX	–	–	–	–	✓	–	✓	✓	✓*9	✓	✓	–	V2.0 or later	*11
PSI-50VX	–	–	–	–	✓	–	✓	✓	✓*8	✓*8	✓	–	V2.0 or later	*11
PSI-70BT	–	–	–	–	–	–	✓	–	✓	✓	✓	–	–	–
PST-25BT	–	–	–	–	–	–	✓	–	✓	✓	✓	–	–	–
PST-28BT	–	–	–	✓	✓	–	✓	–	✓	✓	✓	–	V3.0 or later	*11
PST-30BT	–	–	–	–	–	–	✓	–	✓	✓	✓	–	–	–
PST-50BT	–	–	–	–	–	–	✓	–	✓	✓	✓	–	–	–
PST-65BT	–	–	–	–	–	–	✓	–	✓	✓	✓	–	V4.0 or later	–
PVI-482BX	–	–	✓	✓	✓	✓	–	–	✓	✓	✓	–	V4.0 or later	–
PVI-475BT	–	–	✓	✓	✓	✓	✓*7	–	✓	✓	✓	–	–	*11
PVI-475BX	–	–	✓	✓	✓	✓	✓*7	–	✓	✓	✓	✓	–	*11
PVI-450BXP	–	–	✓	✓	✓	✓	–	–	✓	✓	✓	–	V4.0 or later	*2
PVI-574BX	–	–	✓	✓	✓	✓	✓*7	–	✓	✓	✓	–	V3.0 or later	*11
PVT-350BTP	–	–	✓	✓	✓	✓	–	–	✓	✓	✓	–	–	*2
PVT-375BT	–	–	✓	✓	✓	✓	–	–	✓	✓	✓	✓	–	–
PVT-375SC	–	–	✓	✓	✓	✓	–	–	✓	✓	✓	✓	–	*11
PVT-382BT	–	–	✓	✓	✓	✓	–	–	✓	✓	✓	–	–	–
PVT-482BT	–	–	✓	✓	✓	✓	–	–	✓	✓	✓	–	V2.0 or later	*11
PVT-574BT	–	–	✓	✓	✓	✓	✓*7	–	✓	✓	✓	–	V3.0 or later	*11
PVT-674BT	–	–	✓	–	–	–	✓*7	–	✓	✓	✓	–	–	–
PVT-675MVL	✓*6	✓*6	–	–	–	–	✓*7	–	✓	✓	✓	–	–	*3
PVT-675MVS	✓*6	✓*6	–	–	–	–	✓*7	–	✓	✓	✓	–	V2.0 or later	*3
PVT-681MVL	–	–	–	–	–	–	–	–	✓	✓	✓	–	–	*3
PVT-712BT	–	–	✓	–	–	–	–	–	✓	✓	✓	–	–	–
PVT-745BTF	–	–	✓	–	–	–	–	–	✓	✓	✓	–	–	–
PVT-745BTH	–	–	✓	–	–	–	–	–	✓	✓	✓	–	–	–
PVT-745BTV	–	–	✓	–	–	–	–	–	✓	✓	✓	–	–	–
PVT-770RT	–	–		–	–	–	–	–	✓	✓	✓	–	V3.0 or later	–
PVT-781VT	–	–	✓	✓	✓	✓	–	–	✓	✓	✓	–	–	–
PVT-781VTE	–	–	✓	✓	✓	✓	–	–	✓	✓	✓	–	–	–
PVL-715RST Convex	–	–	–	✓	✓	✓	–	–	✓	✓	✓	–	–	–
PVL-715RST Linear	–	–	–	✓	✓	✓	–	–	✓	✓	✓	–	–	–
PLI-705BX	–	–	✓	✓	✓	–	–	–	✓	✓	✓	✓	V2.0 or later	–
PLI-605BX	–	–	✓	✓	✓	–	–	–	–	–	–	–	V6.0 or later	–
PLI-1205BX	–	–	✓	✓	✓	✓	–	–	✓	✓	✓	✓	–	–
PLI-2002BT	–	–	✓	✓	✓	–	–	–	✓*10	✓	✓	–	V2.0 or later	*10
PLI-2004BX	–	–	✓	✓	✓	✓	–	–	✓*10	✓	✓	–	–	*10
PLI-3003BX	–	–	✓	✓	✓	–	–	–	✓*10	✓	✓	–	V3.1 or later	*10
PLT-308BTP	–	–	✓	–	–	–	–	–	✓	✓	✓	–	–	*2
PLT-704SBT	–	–	✓	–	–	–	–	–	✓	✓	✓	–	–	–
PLT-705BT	–	–	✓	–	–	–	–	–	✓	✓	✓	–	–	–
PLT-705BTF	–	–	✓	–	–	–	–	–	✓	✓	✓	–	V1.8 or later	–
PLT-705BTH	–	–	✓	–	–	–	–	–	✓	✓	✓	–	V1.8 or later	–
PLT-1005BT	–	–	✓	✓	✓	✓	–	–	✓	✓	✓	✓	–	–
PLT-1202BT	–	–	✓	✓	✓	–	–	–	✓	✓	✓	–	V2.0 or later	–
PLT-1204BT	–	–	✓	–	–	–	–	–	✓	✓	✓	–	–	–
PEI-512VX	–	–	–	–	–	–	✓*2	–	✓*8	✓*8	✓	–	–	*11
PET-508MA	–	–	–	–	–	–	✓*2	–	✓	✓	✓	–	–	–
PET-609MA	–	–	–	–	–	–	✓	–	✓	✓	✓	–	V4.0 or later	*2
PET-512MA	–	–	–	–	–	–	✓	–	✓	✓	✓	–	V1.8 or later	*2
PET-512MB	–	–	–	–	–	–	✓	–	✓	✓	✓	–	V6.0 or later	*2
PET-512MC	–	–	–	–	–	–	✓*2	–	✓	✓	✓	–	V1.8 or later	*3
PET-512MD	–	–	–	–	–	–	✓*2	–	✓	✓	✓	–	–	*3
PET-805LA	–	–	✓	–	–	–	–	–	✓	✓	✓	–	–	–
PET-835LA	–	–	✓	–	–	–	–	–	✓	✓	✓	–	V8.2 or later	*2
PC-20M	–	–	–	–	–	–	–	–	✓	✓	✓	–	–	*4, *12
PC-50M	–	–	–	–	–	–	–	–	✓	✓	✓	–	–	*4, *12

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*12: Optional unit UIPC-AI900A is required.

SPECIFICATIONS

System

- Scan methods
  - – Linear scan
    (Some transducers can perform oblique scanning.)
  - – Sector scan
  - – Convex scan
  - – Trapezoid scan
  - – Curved vector scan
- Monitor
  - – High-definition 23-inch Wide LCD monitor with LED backlight
    - · Resolution: 1920 × 1080 (Full HD)
    - · Viewing angle: 178 degrees
    - · Contrast ratio: typ. 1000: 1
    - · Response time (ms): typ. 14
    - · Luminance (cd/m^2): typ. 300
    - · Conformance Standard: DICOM Part 14
  - – 4K 21.6-inch Wide OLED monitor
    - · Resolution: 3840 × 2160
    - · Viewing angle: 178 degrees *CR ≧ 10
    - · Contrast ratio: typ. 1000000: 1
    - · Response time (µs): typ. 40 (30 + 10)
      *Black → White → Black
    - · Luminance (cd/m^2): typ. 200 (7500 K)
      typ. 145 (13000 K)
    - · Conformance Standard: DICOM Part 14
- Presets
  - – System preset: 1 type

Compatible Peripheral Devices

- Black-and-white digital printer
  - – UP-D711MD: DC (12 V to 24 V, SONY)
  - – UP-D898MD: AC (100 V to 240 V, SONY)
  - – P95DW or P95DE: AC (100 V to 240 V, MITSUBISHI)

  Note: Not available in CE marking region.
- Color digital printer
  - – UP-D25MD: AC (100 V to 240 V, SONY)
  - – CP30DW: AC (120 V, 220 V to 240 V, MITSUBISHI)

  Note: Not available in CE marking region.
- DVD video recorder
  - – HVO-550MD/FHD: AC (100 V to 240 V, NTSC/PAL, SONY)
- USB flash drive
- External HDD
- Barcode reader
- Camera
  - – Applicable OS: Windows® 10
  - – Interface: USB2.0 type-A
  - – Aspect ratio: 4:3
  - – Resolution: 640:480 pixel or more
  - – Driver: Compatible with the driver installed in Windows® 10.

2D mode (B mode)

- Viewing Depth
  The viewing depth depends on the transducer used.
  - – Convex
    - · Maximum depth: 50 cm
  - – Linear
    - · Maximum depth: 14 cm
  - – Sector
    - · Maximum depth: 28 cm
- Line density
  - – The line density differs depending on the transducer used.
  - – The line density can be changed.
- Ultrasound Frame Rate
  - – The ultrasound frame rate can be adjusted by using the following in combination.
    - · Line density
    - · Parallel signal processing
- Scan Angle and Scan Width
  - – Adjustment of the field width (scan width, scan angle) is possible.
  - – Adjustment of beam steering (scanning position) is possible.
  - – Adjustment of linear beam steering is possible.
- PAN/EXPAND
  Real-time PAN/EXPAND
  - – Scale enlargement/reduction using the encoder is possible.
  - – Movement to the desired section using the trackball is possible.
  - – The transmission focus is optimized in steps above.
  - – The specified range of an image can be magnified. (Spot Zoom)
- Transmission Focus
  - – Transmission conditions: A maximum of 8 steps
- Transmission Frequency
  - – Multi frequency: 3 frequencies can be selected from 13 types.
- GAIN
  - – The display brightness for 2D can be changed. (Also available when the image is frozen.)
  - – The display brightness for 2D and M can be changed simultaneously.
- STC
  - – Software STC
    - · Depth direction from the body surface: 8-step slide controls (common for 2D and M)
    - · Lateral direction in the image: 6-step slide controls (common for 2D and M)
  - – Hardware STC (UIST-AI900A is required.)
    - · 8-step slide controls (common for 2D and M)
- Acoustic Output
  - – Adjustment is possible to 100%.

- Adjusting the 2D Image Quality
  – Dynamic range (Also available when the image is frozen.)
  – Time-smoothing (persistence)
  – Gamma (Also available when the image is frozen.)
  – Auto gain control
  – Frame rate
  – ApliPure
  – Precision
  – Reverberation (USRC-AI900A is required.)
- 2D Map
  – The grayscale pattern can be changed and virtual color setting for the 2D image is possible.
  – Settings can also be changed when the image is frozen.
- 2D Quick Scan
  – The gain and STC can be adjusted automatically.
- THI (Tissue Harmonic Imaging)
  – THI signal processing methods
    · Pulse subtraction method
    · Filtering method
    · Differential method
- Display Orientation
  – Top/bottom reversal is possible.
  – Left/right reversal is possible.
- Image Size
  – The displayed image size can be switched between small and large.
- ApliPure
  – ApliPure
  This function reduces ultrasound wave interference within tissues, which appear as speckle patterns or speckle noise on 2D images.
  – ApliPure+
  This function can display the boundaries between tissues more clearly and reduce speckle noise and acoustic shadows.
- MicroPure (USMP-AI900A is required.)
  – Small structures can be extracted by performing filtering for 2D-mode images.
  – Visualization of very small calcifications and other extremely small lesions can be improved.
- Precision Imaging
  – Precision+
    · Structures in 2D-mode images can be displayed more clearly and the background can be displayed more smoothly.
    · Saturation in high-intensity regions of tissue structures is reduced, allowing the tissue structures to be displayed in a more natural manner.
- TSO
  – Reception focus compensation can be performed.
  – Automatic reception focus compensation can be performed (Auto TSO).
- BEAM
  – Display of the needle can be enhanced in the image.
  – The enhancement level can be adjusted.
- Slice Thickness Control (USSL-AI900A is required.)
  – The ultrasound beam slice width can be adjusted.
- Doppler Luminance (USLD-AI900A is required.)
  – Doppler Luminance is a function for displaying 3D images created from 2D color images acquired in Color modes (CDI/Power/ADF/SMI (Superb Micro-vascular Imaging)).

M mode

- M Transmission Frequency
  – Multi frequency: 5 types (at maximum)
- M Sweep Speed
  – The Sweep Speed can be changed in M mode.
- M Gain
  – M gain can be corrected for 2D gain.
- M Image Processing Parameters
  – M dynamic range (Can be changed even after the image has been frozen.)
  – M auto gain control
  – M gamma (Can be changed even after the image has been frozen.)
- M Map
  – M image virtual color setting is possible. The setting can be changed even after the image has been frozen.
- THI
  – 2D mode and THI mode are linked, and M images can be displayed in THI mode.
    · Pulse subtraction method
    · Filtering method
    · Differential method
- M Mark
  – The M cursor can be displayed on 2D or C images.
  – The M cursor displayed position can be adjusted.
- Flex-M
  – Any desired plane can be set on the 2D-mode image and the M-mode image for the set plane can be reconstructed.

Doppler (Spectrum Doppler)

- Doppler Mode
  – PWD (pulsed-wave Doppler)
  – HPRF PWD (can be switched to HPRF mode)
  – CWD (continuous-wave Doppler)
  (USCW-AI900A is required.)
  – Pencil CWD (pencil-type transducer)
  (UIPC-AI900A and USCW-AI900A are required.)
- Doppler PRF (Pulse Repetition Frequency)
  – PWD: 0.3 kHz to 52.1 kHz
  – CWD: 1.4 kHz to 52.1 kHz
- Doppler Scan
  – 2D/D simultaneous scan
  – D only scan
- Doppler Sampling Volume
  – The Doppler range gate width can be changed.
  (Minimum 0.3 mm)
- Doppler Sampling Shift
  – 0 cm to the maximum depth

- Doppler Cursor Mode
  – Operation for the 2D live image is possible with the Doppler sampling volume displayed in it.
- Doppler Filter
  – The Doppler filter cutoff can be changed.
- Doppler Gain
  – The display brightness for Doppler can be changed.
- Doppler Quick Scan
  – The Doppler scale and baseline shift can be adjusted automatically.
- Doppler Frequency Analysis and Image Processing
  – Method: FFT
  – No. of data items: 255 (maximum)
- Indication of Doppler Spectrum Direction
  – Reverse display of the velocity spectrum is possible.
- Doppler Baseline Shift (Zero Shift)
  – The velocity baseline of Doppler images can be shifted.
  – The baseline shift setting can also be adjusted when images that were frozen are displayed.
- Doppler Audio
  – Stereo output
  (blood flow toward and away from the transducer)
- Doppler Map
  – The brightness conversion table and the virtual color for Doppler images can be set.
- Display of Doppler Scale
  – 2 types (velocity, Doppler shift frequency)
- Doppler Focus
  – Automatically follows the sample position.
- Doppler Angle Mark
  – This mark is displayed for measuring the angle between the direction of the velocity and the direction of the ultrasound beam.
- Doppler Oblique Scan (PWD Steering)
  – Oblique scans are possible using a specific linear transducer.
  – Auto Invert function
- Doppler Multifrequency
  – The PWD transmission frequency can be changed.
- Doppler Sweep Speed
  – The Sweep Speed can be changed in Doppler mode.
- Doppler Display Dynamic Range
  – The display dynamic range of the Doppler image can be changed.
- Doppler Auto Trace
  (measurement performed after freezing the image)
  – Measurement of peak velocity and mean velocity is possible by automatic velocity tracing.
  – The following Doppler waveform trace is possible.
    · Trace style: Waveform Peak, Mean, Peak+ Mean
    · Trace area specified: Forward, Reverse, Full, Auto
    · Measurement item: Max, Min, Mean, PI, RI, etc.

Color Doppler

Color Doppler Mode

- Display mode
  – CDI mode
    · Flow velocity
    · Flow velocity/variance
    · Power
  – Power Angio mode
  – TDI mode
  – TwinView
    · Simultaneous dual-screen display with 2D mode is available.
  – SMI (Superb Micro-vascular Imaging) mode
    · Clutter suppressed
    · Blood flow enhanced
  – ADF (Dynamic Flow) mode
    · Direction display
- C Map
  – C map can be selected for each color Doppler mode.
  – Changes can also be made when the image is frozen.
- C Scale (Switching the Velocity Range)
  – The velocity range can be changed.
- C Time-Smoothing (Persistence)
  – The result of temporal correlation processing between the previous image and current image can be displayed.
- C Baseline (Zero Shift)
  – The velocity baseline of color Doppler images can be shifted.
  – The baseline shift setting can also be adjusted when images that were frozen or images in the image memory are displayed.
- Reverse C Display
  – Coloring is reversed.
  – Changes can also be made when the image is frozen.
- Black and White/Color Balance
  – By comparing the color Doppler images and B/W images, color weighting to B/W can be set.
  – Changes can also be made when the image is frozen.
- C Gain
  – The display brightness of color Doppler images can be changed.
- C Multifrequency
  – The transmission frequency for color Doppler image acquisition can be changed.
- C Line density
  – The color Doppler image line density can be changed.
- C ROI (region of interest)
  – Position, size, and steering adjustment is possible for color Doppler ROIs.
- C Transmit Focus
  – Automatically follows the color Doppler ROI position.
- C Filter
  – Color Doppler low-cut filter can be changed.
- Variance Curve
  – The display of the color variance component can be adjusted.

- Color Quick Scan
  – The following operations are possible when a linear transducer is used.
    · The position of a color ROI and angle of color steering are adjusted automatically.
    · When PWD sampling volume is displayed, the Doppler gate position, Doppler steering angle, and Doppler angle are adjusted automatically.
- Slice Thickness Control (USSL-AI900A is required.)
  – The ultrasound beam slice thickness can be adjusted.

Color Doppler M mode (MDF Mode)

- Display mode
  – M-mode CDI
    · Velocity display
    · Velocity/variance display
    · Power display
  – M-TDI mode
- M Color Doppler Map (CDI MAP)
  – Color Doppler map can be selected for each mode.
- M Color Doppler Velocity Range Selection (C Scale)
  – The velocity range can be selected.
- M Color Doppler Baseline (C Baseline)
  – The zero-velocity line on the M Color Doppler image can be shifted.
  – The baseline shift setting can also be adjusted when images that were frozen are displayed or when the image in the image memory is played back.
- Color Reverse Display
  – The colors can be reversed.
  – Changes can also be made when the image is frozen.
- Black and White/Color Balance
  – Color weighting for B/W images can be set by comparing the M Color Doppler images and B/W images.
  – Changes can also be made when the image is frozen.
- Color Gain
  – The display brightness of the M Color Doppler image can be changed.
- M Color Doppler Multi-Frequency
  – Doppler transmission frequency can be selected in M Color Doppler image acquisition.
- M Color Doppler Filter
  – M Color Doppler low-cut filter can be changed.

Reference Signals

(USUR-AI900A and UJUR-AI900A, or USUR-AI900A and UJUR-AI901A are required.)

- Type
  – ECG
    · Lead I is the standard connection.
    · External input is possible.
    · DC IN
      The connected device must comply with IEC 60601-1.
    · Top/bottom inversion is possible.
    · Lead switching
    · Pacemaker
    · INST
  – PCG (Phonocardiogram) (UJUR-AI902A is required.)
    · PCG microphone: Acceleration type
    · Filter: Switching is possible.
  – Pulse (UJUR-AI902A is required.)
    · Pulse transducer: Air conduction type
  – Respiration
    · Impedance method using the Reference Signal cable
- Heart Rate
  – The heart mark blinks in synchronization with the heart beat detected by the ECG.
  – The heart rate is displayed.
- Reference Signal Sweep Speed
  – This changes the reference signal sweep speed.

Other Diagnostic Function

- CHI (USHI-AI900A is required.)
  The second-harmonic wave signals from the microbubbles in the contrast medium can be effectively visualized.
  – The following image modes can be selected.
    · PS (Pulse Subtraction) -Low, PS-Low2
    · VRI (Vascular Recognition Imaging)
    · Fundamental
    · CHI ADF
    · SMI (Superb Micro-vascular Imaging)
  – The following functions can be selected.
    · 2D TwinView
    · MFI (Micro Flow Imaging)
    · Image Stabilizer
    · MI Constant function
    · Quad display (USQC-AI800A is required for i700.)
- Parametric MFI
  – Temporal information can be displayed as a color map superimposed on images acquired by 2D mode (without CHI starting up), ADF/SMI (Superb Micro-vascular Imaging) mode, and CHI mode (contrast image for the period from the start of contrast medium injection to the time when the contrast medium reaches the target region).
  – The following functions are available.
    · MFI
    · Image Stabilizer
- CVI (Contrast Vector Imaging)
  (USVF-AI900A is required.)
  – This function allows color mapping of the flow of ultrasound contrast medium (bubbles) within the tissues for contrast images acquired in CHI mode.
  – Color mapping for the following items is available.
    · Arrival time: Speed display (mm/s)
    · Direction: Direction display (deg)
    · Arrival Time: Arrival time from the start position for analysis (sec)
  – Measurement function for velocity and direction
- 4D
  Three-dimensional image data (volume data) can be generated and displayed by using image data acquired for three-dimensional image reconstruction.

– Mechanical 4D (USMV-AI900A is required.)
The following functions can be used.
· Volume Color
· Multi View
· Volume View
· VolPure
· Magic Cut
· STIC/STIC Color
· 4D CHI (USHI-AI900A is required.)
· 4D Biopsy
· Fly Thru (USFT-AI900A is required.)
· Luminance (USLM-AI900A is required.)
· Shadow Glass (USSG-AI900A is required.)
· OmniView
· Auto flexible cut line
· STL export (USPF-AI900A is required.)
– The following measurements can be performed.
· MPR
· Multi Auto Volume measurement (USOB-AI900A is required.) [Table 1]
– General 4D (USVM-AI700A is required for i700.)
The following functions can be used.
· Volume Color
· Multi View
· Volume View
· Magic Cut
· 4D ADF/SMI (Superb Micro-vascular Imaging) (USVS-AI900A is required.)
· 4D CHI (USVC-AI900A and USHI-AI900A are required.)
4D Biopsy
· FlyThru (USFT-AI900A is required.)
· Luminance (USLM-AI901A is required.)
· Shadow Glass (USLM-AI901A is required.)
· OmniView
· Smart Fetal Heart (USFP-AI900A is required.)
· STL export (USPF-AI900A is required.)
– The following measurements can be performed.
· MPR
· Multi Auto Volume Measurement (USOB-AI900A is required.) [Table 2]
– Cardiac 4D
USVM-AI800A is required to use PSI-28VX, PSI-30VX, PSI-50VX and PEI-512VX on i800 and i700.
(USVM-AI700A is required to use PSI-40VX on i700.)
The following functions can be used.
· Multi plane
· Volume (including ECG synchronous scan)
· Volume Color (including ECG synchronous scan)
· Shadow Glass (USLM-AI901A is required.)
· Luminance
· Smart Fetal Heart (USFP-AI900A is required.)
· STL export (USPF-AI900A is required.)
– The following measurements can be performed.
· MPR [Table 3]

[Table 1]

Transducer name	4D Live	Single Sweep	4D CHI *1	STIC	STIC Color	Volume Color	4D Biopsy	Fly Thru*1	Luminance*1	Shadow Glass*1	Max sweep range (deg)
PVT-675MVL	✓	✓	-	✓*2	✓*2	✓	-	✓	✓	✓	90
PVT-675MVS	✓	✓	-	✓*2	✓*2	✓	-	✓	✓	✓	90
PVT-681MVL	✓	✓	✓	-	-	✓	✓	✓	✓	✓	150

[Table 2]

Transducer name	4D Live	4D CHI*1	Volume Color	4D Biopsy	Fly Thru*1	Luminance*1	Shadow Glass*1	4D SMI*1	Mitral Valve Analysis*1	Aortic Valve Analysis
PSI-40VX	✓	✓	✓	✓	✓	✓	✓	✓	-	-

[Table 3]

Transducer name	4D Live	4D CHI*1	Volume Color	4D Biopsy	Fly Thru*1	Luminance*1	Shadow Glass*1	4D SMI*1	Mitral Valve Analysis*1
PSI-28VX	✓	✓	✓	-	-	✓	✓	✓	-
PSI-30VX	✓	✓	✓	-	-	✓	✓	✓	-
PSI-50VX	✓	-	✓	-	-	✓	✓	✓	-
PEI-512VX	✓	-	✓	-	-	✓	✓	-	✓

*1: Optional software is required.
*2: Depends on the preset.

- Stress Echo (USUR-AI900A and UJUR-AI900A, or USUR-AI900A and UJUR-AI901A are required.)
  Exercise and pharmacological stress echo examinations can be performed.
  – Data acquisition mode
    · This mode is intended for selecting and creating protocols.
  – Review mode
    · This mode provides playback function/data output function/WMS (Wall Motion Scoring) function.
- Panoramic View (USPV-AI900A is required.)
  – A continuous image can be acquired by moving the transducer horizontally on the body surface.
  – Measurement using Panoramic View can be performed.
- Elastography (USEL-AI901A or USEL-AI900A is required.)
  – Tissue stiffness can be visualized based on the changes in velocity resulting from physical compression and decompression of the target region.
  – FLR measurement (Strain Ratio measurement) can be performed to calculate the strain within the set ROI. (Not available in the USA.)
- VI (Vascularity Index)
  – The number of pixels in the Power Angio/SMI (Superb Micro-vascular Imaging) and within the ROI, the area of the Power Angio/SMI (Superb Micro-vascular Imaging) and of the ROI, and the ratio of the number of pixels in the Power Angio/SMI (Superb Micro-vascular Imaging) to the number of pixels within the ROI can be displayed for an image acquired in Power Angio/SMI (Superb Micro-vascular Imaging) mode. Available on all linear transducers and all convex transducers.
- Histogram
  – The number of pixels, average gradation, standard deviation, and brightness distribution inside the ROI in the image acquired with 2D mode are displayed.
- Fusion (Smart Fusion) (USFN-AI900A etc. are required.)
  – Synchronization of ultrasound scanning with CT/MRI image display adjusted according to the examination position determined using a magnetic sensor attached to the transducer can be performed.
  Prostate biopsy report is available.
  – The following video modes can be selected.
    · 2D mode (B mode)
    · Color Doppler
    · PWD
    · CWD (USCW-AI900A is required.)
    · CHI (USHI-AI900A is required.)
    · Elastography (USEL-AI901A or USEL-AI900A is required.)
  – The following image data can be referred to.
    · CT
    · MR
    · PET
    · 3D US (USSS-AI900A is required.)
  – The following functions can be used.
    · Blend display
    · Segment display
    · Multiplane display (Triple display)
    · Multivolume display (Quad display)
    · 3D body mark display (Quad display)
    · Auto Registration (USFN-AI901A is required.)
    · Auto Track (UIOT-AI900A or UIOT-AI901A is required.)
  – The following measurements can be performed.
    · Basic measurement
    · Cardiac measurement (for ultrasound live image)
- Protocol Assistant (USPA-AI900A is required.)
  – A series of operations (a protocol) that has been created for the intended examination can be executed automatically.
  – Protocols can be created and edited.
- Shear Wave (USSW-AI900A is required.)
  Images representing the speed of propagation of tissue displacement (Shear Wave speed) can be visualized (Shear Wave scan) by locally displacing tissues by transmitting a burst wave with high acoustic pressure.
  – The following Shear Wave display modes are available.
    · Speed: Shear Wave speed display (m/s)
    · Elasticity: elasticity display (kPa)
    · Propagation: propagation display
    · Dispersion: Frequency dispersion display (USDM-AI900A is required.)
  – Quad display is possible. (USQS-AI800A is required for i700.)
  – ECG Sync Acquisition function can be used.
  – Shear Wave measurement can be performed.
- ATI (Attenuation Imaging) (USAT-AI900A is required.)
  The ultrasound wave attenuation can be displayed in color parametric and measured.
- Smart Navigation (USSN-AI900A etc. are required.)
  A needle navigation line can be superimposed on the ultrasound image based on the positional relationship between the magnetic sensor attached to the transducer and the magnetic sensor attached to the puncture needle.
- Smart Sensor 3D (USSS-AI900A, UIFR-AI900A, and UIFR-AI501A are required.)
  Generation of 3D images can be performed based on the positional information obtained using the magnetic sensor attached to the transducer.
  – The following functions can be used.
    · Volume Color
    · Multi View
    · Volume View
    · Magic Cut
    · CHI (USHI-AI900A is required.)
    · Fly Thru (USFT-AI900A is required.)
    · Luminance (USLM-AI900A is required.)
    · Shadow Glass (USSG-AI900A is required.)
    · Shear Wave (USSW-AI900A is required.)
    · OmniView
    · ECG Sync Construction
    · STL export (USPF-AI900A is required.)
  – The following measurements can be performed.
    · MPR
    · Multi Auto Volume Measurement (USOB-AI900A is required.)

- Smart 3D
  3D image can be generated from the 2D image and any input volume shape.
  – The following functions can be used.
    · Volume Color
    · Multi View
    · Volume View
    · Magic Cut
    · OmniView
    · CHI (USHI-AI900A is required.)
    · Shear Wave (USSW-AI900A is required.)
    · STL export (USPF-AI900A is required.)
- Reference
  The ultrasound images of the current examination and the previously acquired image of the patient can be displayed simultaneously.
  – The following video modes can be selected.
    · 2D mode (B mode)
    · Color Doppler
    · MicroPure (USMP-AI900A is required.)
  – The following image data can be referred to.
    · US image (still image)
    · Raw data acquired using TUS-AI900/ TUS-AI800/ TUS-AI700
    · CT
    · MR
    · MG
    · PET
  – The following function is available.
    Breast scan guide (USMB-AI900A is required.)
  – The following measurement can be performed.
    Basic measurement
- Smart Area Indication (OB)
  (Not available in the USA and Canada)
  The Smart Area Indication (OB) function is used in obstetrics to detect fetal measurement regions based on signals in images.
  – The following measurements are available.
    · BPD
    · HC
    · AC
    · FL
  – The following transducer supports Smart Area Indication (OB).
    · PVI-475BX, PVI-575BX
- Smart Body Mark
  (USSB-AI900A and UIFR-AI900A are required)
  Smart Body Mark is a function to display positional information of the transducer on the screen using a magnetic sensor attached to the transducer.
- Ultrasound scanning condition export function
  (USVL-AI900A is required.)
  The scanning condition of the current ultrasound examination can be exported using this function.
  – The scanning conditions (wireframe information), ultrasound image and puncture marker can be exported as follows.

Mode	Ultrasound scanning conditions (wireframe information)	Utrasound image	Puncture marker
2D	✓	✓	✓
Biplane	✓	✓	✓
Triplane	✓	✓	✓
Color	✓	✓	✓
4D	✓	–	✓

Display-Related Features

- Display Method
  – Images on the main unit: 60 Hz non-interlaced display
  – Images from external playback devices: 60 Hz non-interlaced display
- Monitor Display/Character Display
  – ID area
    · Patient ID
    · Patient name
    · Hospital name
    · Date: Selected from among the formats shown below.
      YYYY/MM/DD
      MM/DD/YYYY
      DD/MM/YYYY
      YYYY: Western calendar year
      MM: Month
      DD: Day
    · Time: Selected from among the formats shown below.
      hh:mm:ss: AM (PM)
      hh:mm:ss: 24-hour representation
      hh: Hour
      mm: Minute
      ss: Second
    · VIDEO mark, VCR counter
    · Age
    · Sex
    · Heart rate display (heart-shaped mark/heart rate)
    · Name of the Imaging Preset
    · Name of the operator
    · Gestational age
  – Acoustic power display area
    · Acoustic power value (%)
    · TI value

– Auto data
  · Frame rate
  · Acoustic power index = MI indication
  · Transducer frequency
  · Depth
  · Dynamic range
  · GAIN
  · CDI filter
  · PRF
  · Doppler filter
  · Doppler angle
  · Doppler gate size
– Thumbnail area
  · Image data acquired during the current examination is displayed.
  · Information from a previous examination of the patient currently being examined is displayed.
– Information message display area
  An operation guide and other messages are displayed.
– Status area
  The following system statuses can be displayed.
  · Battery capacity
  · DVD/CD write status
  · Network use status
  · PACS use status
  · Used space on HDD
  · Saving dynamic/still image
  · DICOM printer status/peripheral device status
  · USB flash drive status display
– Multifunction display area
  · Assignment statuses for trackball and surrounding switches and dials

• Annotation
  – Manual input using the keyboard is possible.
  – Auto annotation (previously specified text) is possible.
• Pictograms
  – Body icons and transducer mark
• Biopsy Guide Mark
  – Biopsy guide mark display is possible.
• Touch Panel (TCS: Touch Command Screen)
  – 12.1-inch LCD monitor: SXGA (1280 × 800)
  – The touch panel tilt angle can be changed by 15°.
• Language
  – The following languages are supported for the display of some screens and keyboard entry.

Supported languages	Screen display	Input by software keyboard	Input by hardware keyboard*
English	✓	✓	✓
English (UK)	✓	✓ (same as English)	✓ (same as English)
German	✓	✓	✓
French	✓	✓	✓
Italian	✓	✓	✓
Spanish	✓	✓	✓
Danish	–	✓	✓
Norwegian	–	✓	✓
Swedish	–	✓	✓
Finnish	–	✓	✓
Portuguese	✓	–	–
Russian	✓	✓	✓
Portuguese	✓	✓	✓
Hungarian	✓	✓	✓
Japanese	✓	✓	✓
Chinese	✓	–	–

✓: Applicable
–: Not applicable
*: UIKB-AI900A is required.

Measurement Functions

Basic Measurement Functions

• 2D-mode measurements
  – Distance
    · Distance
    · Trace Length
    · Mean-IMT
  – Area
  – Angle
    · Angle
    · Joint
  – Volume
  – Stenosis ratio
    · %Stenosis (Distance)
    · %Stenosis (Area)
• 4D-mode measurements (USMV-AI900A is required.)
  – Distance
    · Distance
    · Trace Length
    · Mean-IMT
  – Area
  – Angle
    · Angle
    · Joint
  – Volume
    · Volume
    · Auto Volume Measurement (USOB-AI900A is required.)

  – Stenosis ratio
    · %Stenosis (Distance)
    · %Stenosis (Area)
  – Shear Wave measurement
• M-mode measurements
  – Slope
  – Distance
  – Time
  – Heart rate
• PW/CW Doppler measurements
  – Velocity
  – Acceleration
  – Time
  – Heart rate
  – PI
  – RI
  – S/D
  – Flow volume
  – Doppler trace

Application Measurement Functions

• Cardiac measurements
  – 2D-mode measurements
    · LV measurements
    · LA measurements
    · AV (aortic valve) measurements
    · MV (mitral valve) measurements
    · PV (pulmonary valve) measurements
    · LV MASS measurements
    · Auto EF LV measurements
    · Auto EF LA measurements (Not available in the USA and Canada.)
    · MPI measurements (USFH-AI600A is required.)
  – M-mode measurements
    · LV measurements
    · AV measurements
    · MV measurements
  – Doppler measurements
    · Trans-Aortic valve flow measurement
    · Trans-Mitral valve flow measurement
    · Trans-Pulmonary vein flow measurement
    · Trans-Tricuspid valve flow measurement
    · Trans-Pulmonary valve flow measurement
    · Blood flow waveform auto measurements
    · Coronary measurements
    · PISA measurements
    · Auto TR (Not available in the USA and Canada.)
    · Auto LVOT, Ao (Not available in the USA and Canada.)
    · Auto E/A
  – OB (obstetrics) measurements
    · The data for determining fetal growth based on the measured fetal size is displayed.
    · The list of measured data or a graph of the measured value development (fetal growth conditions) is displayed.
    · Week function (gestational age)
    · Measurement data saving is possible.
    · Auto NT measurement
    · Auto BPD/HC/AC/FL
    · Fetal heart MPI measurement (USFH-AI600A is required.)
    · Limb volume measurement (USTM-AI900A and USMV-AI900A are required.)
    · Anatomy
    · User chart registration
    · Z score analysis (USZS-AI900A is required.)
  – Vascular measurement
    · CCA (Common Carotid Artery) measurement
    · ECA (External Carotid Artery) measurement
    · ICA (Internal Carotid Artery) measurement
    · Vert A (Vertebral Artery) measurement
    · Subclav A (Subclavian Artery) measurement
    · Auto-IMT measurement
    · IMT-C10 measurement
  – User-registered measurements registration function.
    · Measurement items and calculation items based on the measured values
    · Layout setting on the Worksheet screen
    · Switch layout setting of the touch panel
    · Measurement package DICOM code registration

[Table 4]

Option kit	Application							
	Adult & pediatric heart				Fetal heart *3			
	LV	LA	RV	RA	LV	LA	RV	RA
USWT-AI900A	✓	✓	-	-	-	-	-	-
USWT-AI900A + USWT-AI906A	✓	✓	✓*1	✓*1	-	-	-	-
USWT-AI900A + USWT-AI904A	✓	✓	-	-	✓	✓*1	✓*2	-
USWT-AI900A + USWT-AI904A + USWT-AI906A	✓	✓	✓*1	✓*1	✓	✓*1	✓*2	✓*1

*1: Not available in the USA and Canada
*2: In the USA and Canada, only basic 2DWMT RV for fetal heart is available.
Basic 2DWMT for heart does not support measurements for EDA, ESA, FAC and TAPSE.
*3: For fetal heart, only manual trace and 3 point ACT is available. (Auto trace is not available.)

Advanced Measurement Functions

- 2D wall motion tracking (USWT-AI900A is required.)
  Wall motion can be analyzed by semi-automatically extracting the left ventricular myocardium from the image data acquired by the system and displaying it for the evaluation of myocardial motion.
  – Wall motion tracking in 2D dynamic images
  – Wall motion information display
  – Polar map display
  – Local/whole myocardial wall motion parameter curve display
  – Parameter setting display of various parameters
  – Visualization of change rate for end-diastolic strain (USSD-AI900A is required.)
  – Analytical data output to a file
  – RV analysis (USWT-AI906A is required.)
  – RA analysis (USWT-AI906A is required.)
  – Fetus mode (USWT-AI904A is required.)
  – Automatic analysis and synchronization of planes (USWT-AI907A is required.)

- 3D Wall Motion Tracking (USWT-AI901A is required.)
  Wall motion can be analyzed by semi-automatically extracting the myocardium from the image data acquired by the system and displaying it for the evaluation of myocardial motion.
  – Wall motion tracking in 3D dynamic images
  – Wall motion information display
  – Functional Imaging object display
  – Local/whole myocardial wall motion parameter curve display
  – Parameter setting display of various parameters
  – Analytical data output to a file
  – LA, RV analysis (USWT-AI902A is required.)
  – Simultaneous display of multiple analysis results (USQT-AI900A is required.)
- TCA (USHI-AI900A and USCQ-AI900A are required.)
  Quantitative analysis can be performed using a graph showing the changes in intensity over time of images acquired in CHI mode.
  – Generation of a graph from the changes in intensity over time
  – Motion Tracking function
  – Function for calculating characteristic value parameters by Curve Fitting (USCQ-AI901A is required.)
  – Analytical data output to a file
- MVA (Mitral Valve Analysis) (USMA-AI900A is required.)
  The mitral valve in the 3D image data acquired using the ultrasound diagnostic system is extracted semi-automatically, and then it is displayed as a model so that the shape of the mitral valve can be easily evaluated and analyzed to display the parameters.
  – Extraction of the mitral valve in the 3D image
  – Display of the model
  – Display of the parameters
  – Extraction from mitral valve for multiple frames (USMA-AI901A is required.)
- AVA (Aortic Valve Analysis) (USAV-AI900A is required)
  The aortic valve in the 3D image data acquired using the ultrasound diagnostic system is extracted semi-automatically and the dimension of aortic valve complex is assessed with 3D model.
- LAA Analysis (Left Atrial Appendage Analysis) (USLA-AI900A is required.)
  LAA Analysis provides a shape model of the opening of the left atrial appendage, and also its measurement values according to operators' requests. It is also useful for tran-scatheter LAAO planning by providing clinically proper measurement values.
  – Extraction of the left atrial appendage in the 3D image
  – Display of the model
  – Display of the parameters
  – Extraction from left atrial appendage for multiple frames (USLA-AI900A is required.)

Measurement of Stored Image Data

The following measurements can be performed for the DICOM data (DICOM, with raw data, and without raw data) stored in HDD.

- Basic measurement
- Application measurement

Report Function

- Worksheet functions
  – The measurement and calculation items can be displayed for each application measurement.
  – Data editing is possible (except for some items).
  – Display of the following values can be set to ON or OFF. Mean value, latest value, maximum value, minimum value
  – Trend graphs can be displayed (OB measurement worksheet).
  – Multi Parametric Report, which allows organization of results acquired using multiple abdominal measurement applications in a worksheet, can be displayed. (USDL-AI900A is required.)
  – Analysis results of RADS used during an examination can be displayed on the Worksheet. (USRA-AI900A is required.)
- Report function (On Board Report)
  – Reports can be created on the system.
  – The created reports can be printed.
  – The created reports can be output as PDF files.
  – The report template can be edited.
  – Comment entry is possible.
- RADS (Reporting And Data Systems) (USRA-AI900A is required)
  – BI-RADS® (Breast Imaging Reporting And Data Systems)
  – TI-RADS® (Thyroid Imaging Reporting And Data Systems)
  – LI-RADS® (Liver Imaging Reporting and Data Systems)
- IOTA (International Ovarian Tumor Analysis) (USIO-AI900A is required)
  – This function provides standardization for ovarian cancer characterization according to ADNEX (risk calculation algorithm model) through workflow.

  Note: Only available in CE marking regions and Canada.

Cine Memory (large-capacity image memory)

- Memory Capacity: 960 MB
- Record/Playback Mode
  - Loop playback is possible.
  - Frame advance playback is possible.
  - Cine playback is possible in Doppler or M mode.
  - Live images can be recorded (Clips, Auto Store).

Video Recording

- The following DVD remote control operations are possible
  - Record, stop, play, fast-forward, rewind, forward search, reverse search, and freeze (pause).

Recording Function

- Printers (option)
  - Black-and-white printer: USB connection
  - Color printer: USB connection
- Video Recording Units (option)
  - DVD Video
- Electronic Filing
  - Hard disk drive
    - Built-in HDD (SATA)
    - External HDD (USB3.0)

    Note: UZHI-AI900A and USDB-AI900A are required.

  - The HDDs should meet the following specifications:
    - Capacity: 500 GB to 6 TB
    - Speed: 7200 rpm or higher
    - Interface: USB 3.0 (bus power)
    - External dimension: 117 (W) × 81 (D) × 22.5 (H) mm or less
    - Format: The following Windows® formats (read/write compatible)
      NTFS
      FAT32 (up to 2 TB)
    - Other: Single partition
  - DVD/CD drive
  - USB flash drive
  - Network: DICOM connection
- NAS (USNA-AI900A is required.)
  Only NAS that satisfies the following specifications can be used
  - Protocol: SMB2.0 or later
  - LAN port: 1000 BASE-T or higher
  - Capacity: 12 TB or less

Security Function

- Security Control
  - This system supports a function for recording the user's authorization and access log in order to protect personal information.
    - User authentication
    - Audit Log
    - De-identification (live image/ stored image)
- Antivirus (USSM-AI900A is required.)
  - Whitelist-type software is used for protection against computer viruses.
    Protection against computer viruses using Windows functions (standard configuration)
    Security is established using the whitelist-type software that is included in Windows functions.
    USSM-AI900A (security management kit) (option)
    McAfee Embedded Control (MEC) is used as the security management software. MEC is security software that employs whitelist protection. This software prevents execution of malware by allowing only executable files that have been registered in a whitelist to start.
- Disk Encryption Function
  The following disks can be encrypted to prevent leakage of personal information.
  - HDD in the system
  - USB flash drive

Maintenance Function

- Remote Maintenance (option)
  - This function makes it possible to remotely control the above systems for maintenance.
- Operation Status
  - The system operation status can be checked by a service engineer.
- Transducer Sensitivity Measurement Tool
  - Performance of transducers can be checked by service engineers using the transducer sensitivity measurement tool.

Image Format to Export

- Still: BMP/JPEG
- Movie: WMV9/H.264

Network

- Ethernet: 10BASE-T/100BASE-TX/Gigabit Ethernet
- Network client system

Wireless Network

(UIWL-A500A or UIWL-AI900A or UIWL-AI901A is required.)
Wireless network connection is possible with this function.

- Standard
  - IEEE 802.11 b/g/n 2.4 GHz (UIWL-A500A, UIWL-AI900A)
  - IEEE 802.11 a/n/ac 5 GHz (UIWL-A500A)
- Security
  - WPA2-PSK [AES]
  - WPA2-Enterprise PEAP-MsChap v2 [AES] (conformed)
    For WPA2-Enterprise, authentication is performed based on communication with the authenticated server. Depending on the authenticated server used in combination, authentication may fail. Perform a connection test in advance.
- Frequency
  - 2.4 GHz to 2.5 GHz CCK/OFDM modulation (UIWL-A500A, UIWL-AI900A)
  - 5 GHz OFDM, 802.11 n MCS0-7, 802.11 ac MCS0-9 code system (UIWL-A500A)

DICOM Function

- DICOM data type
  - US Image (still image)
  - US Multi Frame (dynamic image)
  - SC Image (storage in a separate file)
  - Enhanced US Volume (Volume data image)
  - Structured Report (measurement result information)
- Server connection
  - Storage (Server/Media)
  - MWM (Modality Worklist Management)
  - MPPS (Modality Performed Procedure Step)
- Storage function
  - Storage Commitment
  - Query/retrieve
- Standard conformity check function
  - Verification (export/import)
- Print function
  - DICOM Print

Signal I/O

- Transducer Connectors
  - Transducer connectors: 4
  - Pencil transducer connector: 1 (UIPC-AI900A is required.)
- VCR Input/Output Signals
  - S-VHS output
  - S-VHS input
  - Audio output: L, R
  - Audio input: L, R
  - DVI signals for TCS
- External Video Output Signals
  - Composite Video
  - S-Video
  - HDMI (2CH)
- Internal USB
  - 2.0 for printer: 2 ch
  - 2.0 for panel: 1 ch
- External USB
  - 5 USB ports (two on the rear of the main unit, two on the front of the main unit (support of USB 3.0), and one on the monitor side)
- Ethernet
  - 10BASE-T/100BASE-TX/ Gigabit Ethernet: 1 ch
- SATA
  - For connecting the built-in HDD: supporting 1 HDD
  - For connecting the built-in SSD: supporting 1 SSD
  - For DVD drive: 1 ch
- Footswitch (UZFS-004A is required.)
  - 3-switch footswitch
- 2nd Console (UITB-AI900A is required.)
  - Basic operation of the system can be performed on a tablet terminal while referring to the image in real time.
- Battery Mode (UEBT-AI900A is required.)
  - The system can be operated in battery mode if the power supply from the outlet is interrupted due to power failure etc.

Operating Conditions

Power Supply Requirements

- Line voltage
  - Japan: 100 VAC ± 10%
  - the USA, Canada: 120 VAC ± 10%
  - Europe: 220 to 240 VAC ± 10%
  - Other 1: 110 to 120 VAC ± 10%
  - Other 2: 220 to 240 VAC ± 10%
- Line frequency: 50/60 Hz ± 1 Hz
- Power capacity
  - Japan: 1500 VA
  - the USA, Canada: 1440 VA
  - Europe: 1500 VA
  - Other 1: 1500 VA
  - Other 2: 1500 VA

Note: The system includes the power cable for Type G or Type B plug. Depending on the type of medical outlet in the hospital, a conversion plug that conforms to the regulations of each country shall be provided.
Cord sets including power cable and plug shall be provided with specifications that ensure the impedance of the protecting grounding conductor is 100 mΩ or less.

Environmental Conditions

- Operating conditions
  - Ambient temperature: 10°C to 35°C (20°C to 35°C when a 4D transducer is used)
  - Relative humidity: 35% to 80% (no condensation)
  - Atmospheric pressure: 700 hPa to 1060 hPa
- Storage conditions
  - Ambient temperature: -10°C to 50°C
  - Relative humidity: 30% to 90% (no condensation)
  - Atmospheric pressure: 700 hPa to 1060 hPa

Safety Classification

- According to the type of protection against electric shock
  - CLASS I or Internally Powered Equipment
- According to the degree of protection against electric shock
  - EQUIPMENT WITH TYPE-BF APPLIED PARTS (Transducer, ECG electrodes, PCG, Pulse)
- According to the degree of protection against harmful ingress of water
  - IPX0 (enclosed EQUIPMENT without protection against ingress of water)
  - However, the footswitch is IPX8 and the transducers are IPX7 (excluding the connector part).
- According to the degree of safety of application in the presence of a FLAMMABLE ANESTHETIC MIXTURE WITH AIR or WITH OXYGEN OR NITROUS OXIDE
  - EQUIPMENT not suitable for use in the presence of a FLAMMABLE ANESTHETIC MIXTURE WITH AIR or WITH OXYGEN OR NITROUS OXIDE

- According to the mode of operation
  – CONTINUOUS OPERATION
- Sterilization method
  – System main unit
    · Not suitable for sterilization.
  – Transducers
    · Sterilization methods are specified in the relevant operation manuals.

Conformance Standards

- Canada: Ed 3.1
  – General: CAN/CSA-C22.2 No. 60601-1: 14
  – Collateral: IEC 60601-1-2: 2014
  CAN/CSA-C22.2 No. 60601-1-6A: 11
  – Particular: IEC 60601-2-37: 2007 + A1 2015
- EU and other regions requiring compliance with European Regulation (EU) 2017/745, European Directive 93/42/EEC and subsequent amendments
  – General: EN 60601-1: 2006 + A1: 2013 + A2: 2021
  – Collateral: EN 60601-1-2: 2015 + A1: 2021
  – Particular: EN 60601-2-37: 2008 + A1: 2015
- the USA: Ed 3.2
  – General: AAMI ES 60601-1: 2005
  + C1: 2009 + A2: 2010 + A1: 2012 + A2: 2021
  – Collateral: IEC 60601-1-2: 2014 + A1: 2020
  IEC 60601-1-6: 2010 + A1: 2013 + A2: 2020
  – Particular: IEC 60601-2-37: 2007 + A1: 2015
- Other regions requiring compliance with IEC 60601-1 Ed. 3
  – General: IEC 60601-1: 1988 + A1: 1991 + A2: 1995
  – Collateral: IEC 60601-1-1: 2000
  IEC 60601-1-2: 2001 + A1: 2004
  IEC 60601-1-4: 1996 + A1: 1999
  – Particular: IEC 60601-2-37: 2001 + A1: 2004 + A2: 2005
- Other regions requiring compliance with IEC 60601-1 Ed. 3
  – General: IEC 60601-1: 2005
  – Collateral: IEC 60601-1-2: 2007
  – Particular: IEC 60601-2-37: 2007
- Other regions requiring compliance with IEC 60601-1 Ed. 3.1
  – General: IEC 60601-1: 2005 + A1: 2012
  – Collateral: IEC 60601-1-2: 2007
  – Particular: IEC 60601-2-37: 2007 + A1: 2015
- Other regions requiring compliance with IEC 60601-1 Ed. 3.2
  – General: IEC 60601-1: 2005 + A1: 2012 + A2: 2020
  – Collateral: IEC 60601-1-2: 2014 + A1: 2020
  – Particular: IEC 60601-2-37: 2007 + A1: 2015

Note: The above standards are applicable to the ultrasound system at the time of purchase. These standards continue to remain applicable even if the system configuration is changed as a result of using options in combination. The standards for the ultrasound system are also applicable to transducers.

DIMENSIONS, MASS, AND POWER CONSUMPTION

Unit	Model name	External dimensions mm (in)						Mass kg (lb) (approx.)		Power consumption (approx.)
		Width		Height		Depth				
Main unit	TUS-AI900/ AI800/ AI700	631*1	(24.8)	1177 to 1757	(46.3) to (69.2)	969 to 1069	(38.1) to (42.1)	115	(253.5)	570 W 27 VA*2
	Height adjusted model of TUS-AI900/ AI800/ AI700 (Available only in the USA and Europe)	631*1	(24.8)	1237 to 1817	(48.7) to (71.5)	969 to 1069	(38.1) to (42.1)	115	(253.5)	570 W 27 VA*2
DVD video recorder	Sony HVO-550MD/FHD [NTSC/PAL]	212	(8.4)	105.5	(4.2)	287.7 (including the projection section)	(11.3)	3.2	(7.1)	43.2 W
B/W digital printer	Sony UP-D711MD/DC	140	(5.5)	70	(2.8)	125	(4.0)	1.0	(2.2)	72 VA (printing)
	Sony UP-D898MD	154	(6.1)	88	(3.5)	240	(9.4)	2.6	(5.7)	190 VA (printing)
	Mitsubishi P95DW	154	(6.1)	84.5	(3.3)	130	(5.1)	2.6	(5.7)	190 VA (printing)
	Mitsubishi P95DW-DC	154	(6.1)	84.5	(3.3)	130	(5.1)	1.6	(3.5)	68 VA (printing)
Color digital printer	Mitsubishi CP30DW	212	(8.3)	125	(4.9)	425	(16.7)	7.3	(16.1)	180 VA (printing)
	Sony UP-D25MD	212	(8.3)	98	(3.9)	398	(15.7)	5.5	(12.1)	240 VA (printing)

*1: 580 mm in length when the provided transducer connector holder is removed.
*2: In Standby mode with internal battery UEBT-AI900A.

MASS

Model name	Name of component	Mass [kg] (lb)
System main unit		
TUS-AI900	Aplio900	110 (242.5)
TUS-AI800	Aplio800	110 (242.5)
TUS-AI700	Aplio700	110 (242.5)
Options/Accessories for main unit		
USCW-AI900A	CW kit	0.1 (0.2)
USUR-AI900A	Reference Signal kit	0.1 (0.2)
UJUR-AI900A	Reference Signal cable	0.3 (0.7)
UJUR-AI901A	Reference Signal cable	0.1 (0.2)
UJUR-AI902A	Reference Signal Sensor unit	0.4 (0.9)
USSE-AI900A	Stress Echo kit	0.1 (0.2)
USWT-AI900A	2D Wall Motion Tracking kit	0.1 (0.2)
USWT-AI904A	2D Wall Motion Tracking Fetal kit	0.1 (0.2)
USWT-AI906A	2D Wall Motion Tracking Advance kit	0.1 (0.2)
USWT-AI907A	Auto GLS kit	0.1 (0.2)
USSD-AI900A	SI-DI kit	0.1 (0.2)
USWT-AI901A	3D Wall Motion Tracking kit	0.1 (0.2)
USWT-AI902A	3D Wall Motion Tracking Advance kit	0.1 (0.2)
USWT-AI901B	3D Wall Motion Tracking for 3D-TEE kit	0.1 (0.2)
USQT-AI900A	Quad Chamber Tracking kit	0.1 (0.2)
USMA-AI900A	Mitral Valve Analysis kit	0.1 (0.2)
USMA-AI901A	MVA 4D kit	0.1 (0.2)
USLA-AI900A	LAA Analysis kit	0.1 (0.2)
USCT-AI900A	Contrast Enhance kit	0.1 (0.2)
USVM-AI800A	Volume Matrix kit	0.1 (0.2)
USVM-AI700A	Volume Matrix 2 kit	0.1 (0.2)
USLM-AI901A	Luminance and Shadow Glass with Volume Matrix kit	0.1 (0.2)
USAV-AI900A	AVA kit	0.1 (0.2)
USFH-AI600A	Fetal Heart MPI Measurement kit	0.1 (0.2)
USFP-AI900A	Smart Fetal Heart kit	0.1 (0.2)
UIPC-AI900A	Pencil Connector unit	0.2 (0.4)
UAEH-AI900A	M-TEE Hanger kit	1.5 (3.3)
UAEH-AI901A	TEE Hanger kit	1.2 (2.6)
UACV-AI900A	CV kit	1.0 (2.2)
UIST-AI900A	STC kit	0.1 (0.2)
UIST-AI901A	STC kit	0.1 (0.2)
USVL-AI900A	Ultrasound scanning condition export function Kit	0.1 (0.2)
USHI-AI900A	CHI kit	0.1 (0.2)
USCQ-AI900A	CHI-Q kit	0.1 (0.2)
USCQ-AI901A	Fitting Curve kit	0.1 (0.2)

Model name	Name of component	Mass [kg] (lb)
USQC-AI800A	Quad View for CHI kit	0.1 (0.2)
USHI-AI901A	High Frame Rate CHI kit	0.1 (0.2)
USVF-AI900A	Contrast Vector Imaging kit	0.1 (0.2)
USMV-AI900A	4D kit	0.1 (0.2)
USLM-AI900A	Luminance kit	0.1 (0.2)
USFT-AI900A	Fly Thru. kit	0.1 (0.2)
USSG-AI900A	Shadow Glass kit	0.1 (0.2)
USOB-AI900A	Auto Volume Measurement kit	0.1 (0.2)
USVS-AI900A	4D ADF/SMI (Superb Micro-vascular Imaging) kit	0.1 (0.2)
USVC-AI900A	4D CHI kit	0.1 (0.2)
USPF-AI900A	3D Printer Format Export kit	0.1 (0.2)
USEL-AI901A	Elastography-FLR kit	0.1 (0.2)
USEL-AI900A	Elastography kit	0.1 (0.2)
USSW-AI900A	Shear Wave kit	0.1 (0.2)
USSW-AI901A	Shear Wave Hard kit	0.1 (0.2)
USQS-AI800A	Quad View for SWE kit	0.1 (0.2)
USDM-AI900A	Dispersion Map for SWE kit	0.1 (0.2)
USFN-AI900A	Smart Fusion kit	0.1 (0.2)
USSN-AI900A	Smart Navigation kit	0.1 (0.2)
UIFR-AI900A	Magnetic Generator kit	15.0 (33.0)
UIFR-A501A	Sensor kit for Fusion unit	0.1 (0.2)
USFN-AI901A	Auto Registration kit	0.1 (0.2)
UZWT-A500A	Fusion Pole Cart	26 (57.3)
UAFS-001A	Mounting kit for Fusion Sensor	0.1 (0.2)
UAFS-002A	Mounting kit for Fusion Sensor	0.1 (0.2)
UAFS-003A	Mounting kit for Fusion Sensor	0.1 (0.2)
UAFS-004A	Mounting kit for Fusion Sensor	0.1 (0.2)
UAFS-005A	Mounting kit for Fusion Sensor	0.1 (0.2)
UAFS-006A	Mounting kit for Fusion Sensor	0.1 (0.2)
UAFS-007A	Mounting kit for Fusion Sensor	0.1 (0.2)
UAFS-008A	Mounting kit for Fusion Sensor	0.1 (0.2)
UAFS-009A	Mounting kit for Fusion Sensor	0.1 (0.2)
UAFS-010A	Mounting kit for Fusion Sensor	0.1 (0.2)
UAFS-011A	Mounting kit for Fusion Sensor	0.1 (0.2)
USMB-AI900A	Breast Scan Guide kit	1.0 (2.2)
USSB-AI900A	Smart Body Mark kit	1.0 (2.2)
USSS-AI900A	Smart Sensor 3D kit	0.1 (0.2)
USMP-AI900A	MicroPure kit	0.1 (0.2)
USTH-AI900A	3rd Harmonic Imaging kit	0.1 (0.2)
USPV-AI900A	Panoramic View kit	0.1 (0.2)
USRC-AI900A	Multi-reflection Canceller kit	0.1 (0.2)

*1: For the USA and Canada
*2: For countries except the USA and Canada

Model name	Name of component	Mass [kg] (lb)
USLP-AI900A	Liver Package kit	0.1 (0.2)
UIUP-AI900A	Urology Package	15.1 (33.2)
USUP-AI900A	Urology Package	0.1 (0.2)
USLD-AI900A	Doppler Luminance kit	0.1 (0.2)
USGI-AI900A	General Imaging kit	0.1 (0.2)
USAT-AI900A	Attenuation Imaging kit	0.1 (0.2)
USSL-AI900A	Slice Thickness Control kit	0.1 (0.2)
USZS-AI900A	Measurement Z score kit	0.1 (0.2)
UAOB-AI900A	OB kit	0.1 (0.2)
USTM-AI900A	Limb Volume Measurement kit	0.1 (0.2)
UZRI-AI900A	Mounting kit for Peripheral unit	1.1 (2.4)
UZRI-AI901A	Mounting kit for Peripheral unit	0.6 (1.3)
UZRI-AI902A	Mounting kit for Peripheral unit	3.1 (6.8)
UZRI-AI903A	Mounting kit for Peripheral unit	0.6 (1.3)
UZRI-AI904A	Mounting kit for Peripheral unit	4.6 (10.1)
UZFS-004A	Foot switch	0.6 (1.3)
UZGW-008A	Gel warmer	1.0 (2.2)
UZMK-AI900A	Transducer Cable Hanger kit	0.9 (2.0)
UZBK-AI900A	Transducer Holder kit	0.3 (0.7)
UIWL-A500A	Wireless LAN kit	0.5 (1.1)
UIWL-AI900A	Wireless LAN kit	0.5 (1.1)
UIWL-AI901A	Wireless LAN kit	0.5 (1.1)
UZPH-AI900A	EV/ER Transducer Holder kit	1.6 (3.5)
UIKB-AI900A	Keyboard kit	1.1 (2.4)
UITB-AI900A	2nd Console kit	1.1 (2.4)
UIOM-001A	OLED Monitor unit	4.1 (9.0)
USDB-AI900A	DataBase for External HDD kit	0.1 (0.2)
UZHI-AI900A	Mounting kit for External HDD kit	1.0 (2.2)
UZMK-AI902A	ECG Cable Hanger kit	0.1 (0.2)
UIUB-AI900A	Panel USB Port kit	0.1 (0.2)
UZPT-001A	Palm Controller kit	0.2 (0.4)
UZPT-002A	Palm Controller kit	0.2 (0.4)
UEBT-AI900A	Battery unit	13 (28.7)
USHE-AI900A	Online Help kit	0.1 (0.2)

Model name	Name of component	Mass [kg] (lb)
USPA-AI900A	Protocol Assistant kit	0.1 (0.2)
USPA-AI901A	MSK Protocol Movie kit	0.1(0.2)
USDL-AI900A	Multi Parametric Report kit	0.1 (0.2)
UAWH-AI900A	Women's Healthcare kit	0.1 (0.2)
USSM-AI900A	Security Management kit	0.1 (0.2)
USRA-AI900A	RADS kit	0.1 (0.2)
USIO-AI900A	IOTA kit	0.1 (0.2)
USNA-AI900A	Network Storage kit	0.1 (0.2)
USTR-AI900A	Tricefy Access kit	0.1 (0.2)
UIAG-001A	ApliGate kit	0.1 (0.2)
USAG-001A	ApliGate Soft kit	0.1 (0.2)
USWC-AI900A	ApliCam kit	0.1 (0.2)
USUH-AI700A	Ultra High Freq kit	0.1 (0.2)
UZTB-AI900A	Track Ball kit	0.2 (0.4)
UZTB-AI901A	Track Ball kit	0.2 (0.4)
UZKF-AI900A	Local Language Key-Top kit	0.5 (1.1)
UZKG-AI900A	Local Language Key-Top kit	0.5 (1.1)
UZKI-AI900A	Local Language Key-Top kit	0.5 (1.1)
UZKS-AI900A	Local Language Key-Top kit	0.5 (1.1)
UZKD-AI900A	Local Language Key-Top kit	0.5 (1.1)
UZKN-AI900A	Local Language Key-Top kit	0.5 (1.1)
UZKW-AI900A	Local Language Key-Top kit	0.5 (1.1)
UZKR-AI900A	Local Language Key-Top kit	0.5 (1.1)
UZKP-AI900A	Local Language Key-Top kit	0.5 (1.1)
UZKH-AI900A	Local Language Key-Top kit	0.5 (1.1)
HVO-550MD/FHD	DVD video recorder	3.2 (7.1)
UP-D711MD/DC	B/W printer	1.0 (2.2)
UP-D898MD	B/W printer	2.6 (5.7)
P95DW	B/W printer	2.6 (5.7)
P95DW-DC	B/W printer	1.6 (3.5)
CP30DW	Color printer	7.3 (16.1)
UP-D25MD	Color printer	5.5 (12.1)

Model name	Name of component	Mass [kg] (lb)
Transducers		
PSI-28VX	Phased array transducer	0.78 (1.7)
PSI-30BX	Phased array transducer	0.67 (1.5)
PSI-30VX	Phased array transducer	0.8 (1.8)
PSI-40VX	Phased array transducer	0.85 (1.9)
PSI-50VX	Phased array transducer	0.75 (1.7)
PSI-70BT	Phased array transducer	0.65 (1.4)
PST-25BT	Phased array transducer	0.8 (1.8)
PST-28BT	Phased array transducer	0.67 (1.5)
PST-30BT	Phased array transducer	0.8 (1.8)
PST-50BT	Phased array transducer	0.8 (1.8)
PST-65BT	Phased array transducer	0.73 (1.61)
PVI-482BX	Convex array transducer	0.7 (1.5)
PVI-475BT	Convex array transducer	0.75 (1.7)
PVI-450BXP	Convex array transducer	0.8 (1.76)
PVI-475BX	Convex array transducer	0.8 (1.8)
PVI-574BX	Convex array transducer	0.75 (1.7)
PVT-350BTP	Convex array biopsy transducer	0.95 (2.1)
PVT-375BT	Convex array transducer	0.95 (2.1)
PVT-375SC	Convex array transducer	0.95 (2.1)
PVT-382BT	Convex array transducer	0.8 (1.8)
PVT-482BT	Convex array transducer	0.75 (1.7)
PVT-574BT	Convex array transducer	0.75 (1.7)
PVT-674BT	Convex array transducer	0.9 (2.0)
PVT-675MVL	Convex array transducer	1.1 (2.4)
PVT-675MVS	Convex array transducer	1.05 (2.3)
PVT-681MVL	Endocavitary transducer	1.15 (2.5)
PVT-712BT	Convex array transducer	0.8 (1.8)
PVT-745BTF	Convex array transducer	0.8 (1.8)
PVT-745BTH	Convex array transducer	0.8 (1.8)

Model name	Name of component	Mass [kg] (lb)
PVT-745BTV	Convex array transducer	0.78 (1.7)
PVT-770RT	Endocavitary transducer	2.0 (4.4)
PVT-781VT	Endocavitary transducer	0.97 (2.1)
PVT-781VTE	Endocavitary transducer	0.97 (2.1)
PVL-715RST	Endocavitary transducer	1.04 (2.3)
PLI-705BX	Linear array transducer	0.83 (1.8)
PLI-605BX	Linear array transducer	0.83 (1.8)
PLI-1205BX	Linear array transducer	0.78 (1.7)
PLI-2002BT	Linear array transducer	0.75 (1.7)
PLI-2004BX	Linear array transducer	0.78 (1.7)
PLI-3003BX	Linear array transducer	0.81 (1.8)
PLT-308BTP	Linear array biopsy transducer	0.8 (1.8)
PLT-704SBT	Linear array transducer	0.9 (2.0)
PLT-705BT	Linear array transducer	0.85 (1.9)
PLT-705BTF	Linear array transducer	0.78 (1.7)
PLT-705BTH	Linear array transducer	0.78 (1.7)
PLT-1005BT	Linear array transducer	0.85 (1.9)
PLT-1202BT	Linear array transducer	0.75 (1.7)
PLT-1204BT	Linear array transducer	0.85 (1.9)
PEI-512VX	Multi-plane transesophageal transducer	1.6 (3.5)
PET-508MA	Multi-plane transesophageal transducer	1.2 (2.6)
PET-609MA	Multi-plane transesophageal transducer	1.3 (2.87)
PET-512MA	Multi-plane transesophageal transducer	1.32 (2.9)
PET-512MB	Multi-plane transesophageal transducer	1.44 (3.2)
PET-512MC	Multi-plane transesophageal transducer	1.6 (3.5)
PET-512MD	Multi-plane transesophageal transducer	1.5 (3.3)
PET-805LA	Linear array transducer	1.17 (2.6)
PET-835LA	Convex array transducer	1.2 (2.6)
PC-20M	CW Doppler pencil transducer	0.085 (0.2)
PC-50M	CW Doppler pencil transducer	0.08 (0.2)

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Model number: TUS-AI900, TUS-AI800, TUS-AI700 MPDUS0212EAM V8.2 2024-04 CMSC/Produced in Japan

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