

Xario 100G

Product Data
No. MPDUS0081EAA

INTRODUCTION

Xario™ 100G is a compact and high-performance diagnostic ultrasound system, newly developed by implementing the latest technologies.

Xario 100G achieves high sensitivity and high quality by using state-of-the-art digital technology in the T/R section, which is the core of a diagnostic ultrasound system.

Xario 100G features advanced algorithms that run on circuits that incorporate the latest circuit technology, semiconductor technology, and surface-mount technology.

Xario 100G 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

Xario 100G employs full-digital transmission and reception circuits. The higher definition ultrasound beams and data processing technology available with full-digital systems allow higher sensitivity and image quality to be achieved simultaneously.

ENHANCED DIAGNOSTIC CAPABILITIES

The spatial resolution, contrast resolution, and temporal resolution have been improved through new technologies, resulting in enhanced diagnostic capabilities.

TRANSDUCERS SUPPORTING A WIDE RANGE OF FREQUENCIES

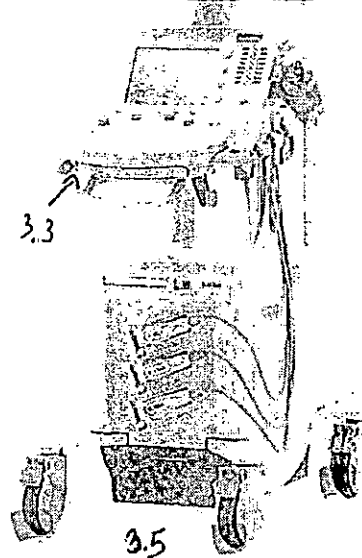
Echoes over a wide range of frequencies can be obtained using a single transducer, allowing the optimal sensitivity and quality to be achieved for each region examined. This function permits a single transducer to be utilized for a wide range of applications, greatly improving the throughput and price-to-performance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

INTELLIGENT PANEL AND SOFTWARE

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

UPGRADABILITY

Xario 100G can be periodically upgraded to the latest version.



ERGONOMICS

Xario 100G employs a noninterlaced, high-definition, eye-friendly monitor with a comfortable viewing size. These features decrease operator fatigue in long examinations.

The ergonomic design of the system ensures comfortable and efficient examinations for operators, physicians, and patients.

COMPACT DESIGN

Xario 100G is compact and can be moved easily. It is suitable for use in rooms where space is limited. The compactness of the system contributes to its excellent mobility, which allows it to be used as a portable system.

OPERABILITY

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

BATTERY-POWERED OPERATION

Xario 100G includes a battery with a long run time. Xario 100G can be operated on battery power in various settings, including locations such as patient wards, where it may be difficult to find an available power outlet.



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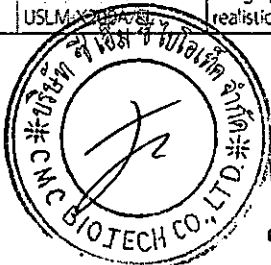
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SYSTEM MATRIX OF CUS-X100G

Unit	Model name	Remarks
Main unit	CUS-X100G Xario 100G	21.5-inch LCD monitor, DVD/CD drive, Wide View, ApliPure™, and B/W printer mounting basket (side-access type) are included.
<Options for main unit>		
CW unit	UICW-X200G	For cardiovascular examinations, add Continuous Doppler capability to sector.
	UICW-X200A	For cardiovascular examinations, add Continuous Doppler capability to sector and pencil transducers. (With pencil connector)
4D unit	UIMV-X200A	This unit is required for using the 4D transducer or the motor-driven TEE transducer.
Reference signal unit	UJUR-X200G	For cardiovascular examinations for ECG gating (for regions other than the USA).
	UJUR-X201G	For cardiovascular examinations for ECG gating (for the USA).
Isolation transformer for peripheral unit	UETR-X200G	Isolation transformer for peripheral unit for color printer, DVD recorder.
Gel warmer	UZGW-007A	This unit warms the ultrasound gel to a suitable temperature.
Footswitch kit	UZFS-X200G	Switch used for freezing, printing, and some other operations by foot.
Transducer cable hanger kit	UZMK-X200A	Long hanger on which the transducer cable is hooked.
Transducer Holder kit	UZPH-X200G	Adds the transducer holder on the side of the operation panel and connector holder on the side of the main body.
Basket kit	UZBK-X200A	Holds the medical charts, ECG cable, etc. (preinstalled)
Panel spacer kit	UZUP-X200G	This kit increases the height of the operating panel by 10 cm. (factory option)
Transducer adaptor	UICG-X200G	Conversion adaptor for connecting TEE and Laparoscopic transducer.
LCD flexible arm kit	UZFA-X200G	Replaces the standard LCD monitor support arm with the optional (flexible arm) (factory option).
Mounting kit for peripheral unit *Select one from the models listed on the right.	UZRI-X200G	Front-access left-swivel type for B/W printer.
	UZRI-X201G	Front-access right-swivel type for B/W printer.
	UZRI-X202G	For color printer. (*1)
	UZRI-X203G	For DVD recorder. (*1)
	UZRI-X204G	For mounting both color printer and DVD recorder. (*1)
Mounting kit for AC B/W printer	UZRI-X205G	Rock for mounting a AC powered B/W printer.
Wireless LAN kit	UWNL-X200A	Option kit for connecting to a DICOM network via a wireless LAN instead of the previously used LAN cable. USDI-X200A is required. Complied with the Radio Law of Japan and applicable laws and regulations of USA, EU member states, Iceland, Norway, Liechtenstein, and Switzerland.
DICOM kit	USDI-X200A USDI-X200A/EL	Verification, Storage, Print, Storage, Commitment, MULTI FRAME (Network Transfer), MWM (Modality Worklist Management), Query/Retrieve, MPPS (Modality Performed Procedure Step), Structured Reporting.
Panoramic View kit	USPV-X200A USPV-X200A/EL	B/W images can be obtained with a wider field of view by moving the transducer in the lateral direction.
Differential THI kit	USDT-X200A USDT-X200A/EL	Enables Differential THI.
Dynamic Flow TM kit	USDF-X200A USDF-X200A/EL	Adds Advanced Dynamic Flow (ADF, high-resolution flow imaging function) to the system.
Elastography-FLR kit	USEL-X200A USEL-X200A/EL	This kit enables Elastography (with FLR measurement) with linear transducers. (Not available in the U.S.A.)
Elastography kit	USEL-X201A USEL-X201A/EL	This kit enables Elastography (without FLR measurement) with linear transducers. (Available only in the U.S.A.)
FLEX-M kit	USXM-X200A USXM-X200AEL	This kit displays an M-mode image for an arbitrarily specified plane on a 2D-mode image.
Precision Imaging kit	USPI-X100A USPI-X100A/EL	Adds the Precision Imaging and Tissue Enhancement functions to the system.
ApliPure plus kit	USPP-X100A USPP-X100A/EL	Increases the temporal resolution and enables speckle reduction in imaging with ApliPure.
Tissue Specific Optimization kit	USSO-X200A USSO-X200AEL	Increases the lateral resolution by adjusting parameters based on the speed of sound in tissues. For linear and convex transducers.
Auto NT kit	USAN-X200A USAN-X200AEL	This kit enables Auto-Nuchal Translucency measurement. (*2)
Smart 3D kit	USFR-X200A USFR-X200A/EL	This kit enables free-hand 3D which is available without 4D transducers.
Lumiance kit	USLM-X200A USLM-X200A/EL	Image processing technology that makes 3D/4D images of fetuses and anatomical structures appear more realistic. The UIMV-X200A and a 4D transducer are required (available separately).



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Unit	Model name	Remarks
Security Management kit	USSM-X200A	This kit provides software for security management of the system. (preinstalled)
Operation manuals	UOPM-X200G	Hard copies of the Operation Manual Applications Volume and Operation Manual Measurements Volume for regions where the standard configuration includes these manuals only as PDF files on CDs. (Applicable regions: Japan, Europe, USA, Canada, Australia, New Zealand, Turkey, Indonesia, Philippines, Pakistan, Egypt, and Costa Rica.)
Battery pack	UEBT-X200G	The battery pack provides operational power without being connected to a power outlet. The system requires at least one battery pack installed to enable operation.
Local Language Key-Top kit	UZKF-X200A (French)	This kit is intended for changing the key tops of the full keyboard to support specific languages.
	UZKG-X200A (German)	
	UZKI-X200A (Italian)	
	UZKS-X200A (Spanish)	
	UZKD-X200A (Danish)	
	UZKN-X200A (Norwegian)	
	UZKW-X200A (Scandinavian)	
	UZKR-X200A (Russian)	

Note: "/EL" is a supplemental model name indicating options supplied by electronic license, only available in Europe, USA, and Canada.

*1: Can be used together with a standard side-access B/W printer.

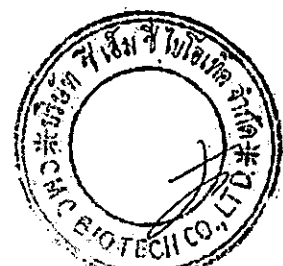
*2: Not available in the USA and Canada.

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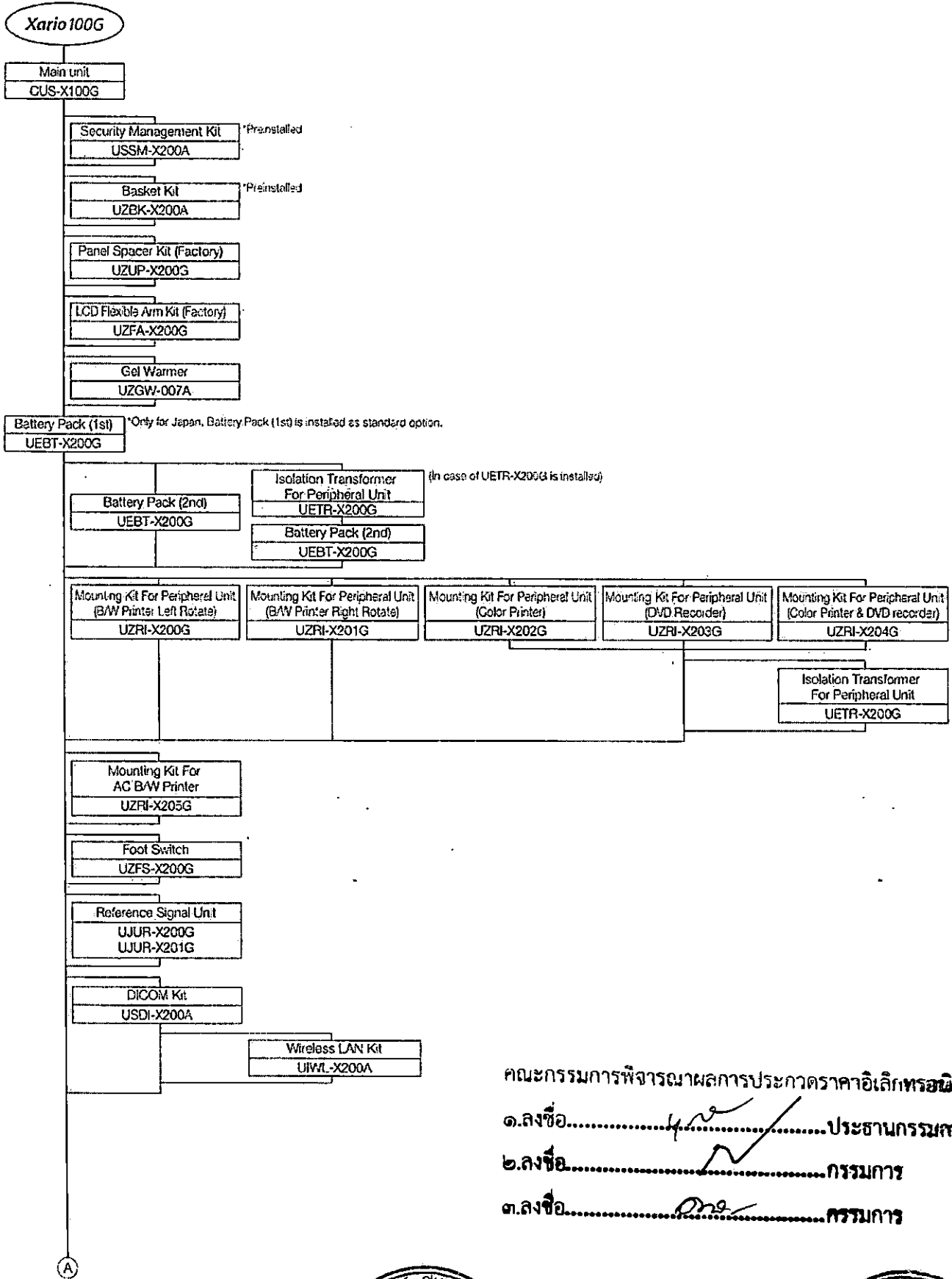
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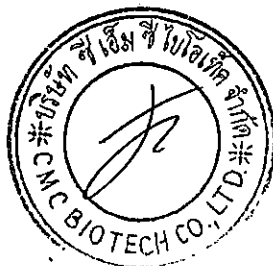
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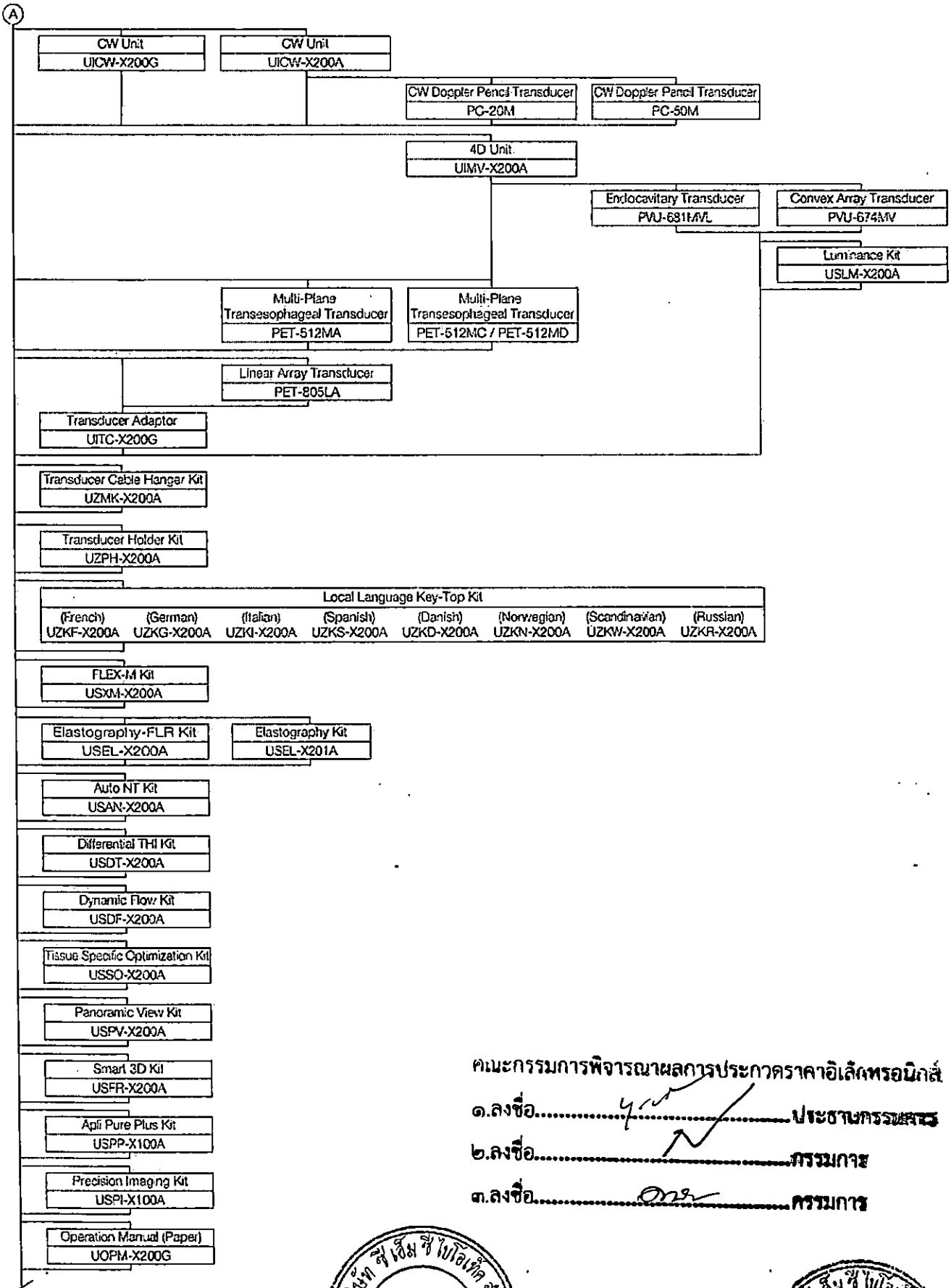


BLOCK CHART SYSTEMS



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TRANSDUCER OPTIONS / OPERATION MODES

Transducer name	Scan type	Range	Nominal Freq. (MHz)	B-mode Freq. (MHz)			THI-mode Freq. (MHz)				D-THI Freq. (MHz)				2D	M	PWD	CWD ⁹	CDI
				4.2	3.0	1.8	4.0	3.0	2.0	-	-	-	-	-					
PSU-25BT	Sector	5S1	2.5	4.2	3.0	1.8	4.0	3.0	2.0	-	-	-	-	-	✓	✓	✓	✓	✓
PSU-30BT	Sector	5S2	3.0	4.8	3.4	2.0	4.4	3.6	2.8	-	-	-	-	-	✓	✓	✓	✓	✓
PSU-50BT	Sector	6S3	5.0	6.0	4.2	3.0	6.2	5.4	4.4	-	-	-	-	-	✓	✓	✓	✓	✓
PSU-70BT	Sector	10S4	7.0	8.5	6.2	4.2	9.0	7.0	5.0	-	-	9.0	7.0	-	✓	✓	✓	✓	✓
3.1.2 4.1 PVU-350BT	Convex	6CP1	3.5	6.0	4.0	1.9	6.0	5.0	4.0	3.0	-	5.0	-	-	✓	✓	✓	✓	✓
PVU-375BT	Convex	6C1	3.5	6.0	4.0	1.9	6.0	5.0	4.0	3.0	-	5.0	-	-	✓	✓	✓	✓	✓
PVU-382BT	Convex	6MC1	3.5	5.5	3.7	1.8	5.0	3.8	2.8	-	-	5.0	-	-	✓	✓	✓	✓	✓
PVU-674BT	Convex	10C3	6.0	9.2	6.0	3.6	8.0	7.0	6.0	-	8.0	6.0	5.0	-	✓	✓	✓	✓	✓
PVU-674MV	Convex 4D	8CV2	6.0	7.2	5.0	2.8	7.0	5.5	4.0	-	-	6.0	5.0	-	✓	✓	✓	✓	✓
PVU-681MVL	Convex 4D	11CV3	6.0	9.0	7.0	4.0	10.0	8.0	6.0	-	11.0	9.0	7.0	-	✓	✓	✓	✓	✓
PVU-712BT	Convex	11MC4	7.0	10.2	7.5	4.2	10.0	8.0	6.0	-	11.0	9.0	8.0	-	✓	✓	✓	✓	✓
PVU-745BTF	Convex	11C4	7.0	11.0	8.0	4.0	9.0	7.6	5.8	-	-	10.0	8.0	-	✓	✓	✓	✓	✓
PVU-745BTH	Convex	11C4	7.0	11.0	8.0	4.0	9.0	7.6	5.8	-	-	10.0	8.0	-	✓	✓	✓	✓	✓
PVU-745BTV	Convex	11C4	7.0	11.0	8.0	4.0	9.0	7.6	5.8	-	-	10.0	-	-	✓	✓	✓	✓	✓
PVU-770ST	Convex	11C4	7.5	10.0	7.3	5.0	9.2	8.4	7.0	-	-	10.0	8.0	-	✓	✓	✓	✓	✓
PVU-781VT	Convex	11C3	7.0	9.0	7.0	4.0	10.0	8.0	6.0	-	11.0	9.0	7.0	-	✓	✓	✓	✓	✓
PVU-781VTE	Convex	11C3	7.0	9.0	7.0	4.0	10.0	8.0	6.0	-	11.0	9.0	7.0	-	✓	✓	✓	✓	✓
PVL-715RS	Convex	11CL4	7.5	10.0	7.3	5.0	9.2	8.4	7.0	-	-	10.0	8.0	-	✓	✓	✓	✓	✓
	Linear		7.5	10.0	7.3	5.0	9.2	8.4	7.0	-	-	10.0	8.0	-	✓	✓	✓	✓	✓
PLU-308BTP	Linear	6LP3	3.75	5.7	4.2	3.1	5.5	4.4	3.6	-	5.0	-	-	-	✓	✓	✓	✓	✓
PLU-704BT	Linear	11L4	7.0	11.0	8.6	4.8	8.4	7.2	6.2	-	-	9.0	8.0	-	✓	✓	✓	✓	✓
3.1.2 4.1 PLU-1005BT	Linear	14L5	10.0	12.0	10.0	7.0	11.0	9.0	7.0	-	14.0	14.0	10.0	-	✓	✓	✓	✓	✓
PLU-1202BT	Linear	17LH7	12.0	14.0	12.0	7.0	14.0	12.0	8.0	-	17.0	14.0	13.0	-	✓	✓	✓	✓	✓
4.1 PLU-1204BT	Linear	18L7	12.0	14.0	12.0	7.2	14.0	12.0	8.0	-	18.0	14.0	13.0	-	✓	✓	✓	✓	✓
PET-512MA	Sector, TEE	8S2	5.0	7.5	5.0	2.5	7.0	5.6	3.5	-	-	-	-	-	✓	✓	✓	✓	✓
PET-512MC	Sector, TEE	8SM2	5.0	7.5	5.0	2.5	7.0	5.6	3.5	-	-	-	-	-	✓	✓	✓	✓	✓
PET-512MD	Sector, TEE	8SM2	5.0	7.5	5.0	2.5	7.0	5.6	3.5	-	-	-	-	-	✓	✓	✓	✓	✓
PET-805LA	Linear, LAPA	12LL4	8.0	11.2	8.0	4.0	8.4	6.6	5.0	-	-	9.0	8.0	-	✓	✓	✓	✓	✓
PC-20M	Pencil	P2	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-
PC-50M	Pencil	P5	5.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-

*1: Optional software is required.

*2: TE (Tissue Enhancement)

*3: Depends on the preset.

*4: Not available in the USA and Canada.

*5: Optional software USPP-X100A is required.

*6: Optional unit UIC-X200A is required.

*7: Optional unit UIMV-X200A is required.

*8: Optional unit UICW-X200A is required.

*9: When the pencil transducer is used, optional unit UICW-X200A is required. In other cases, optional unit UICW-X200G is required.

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TRANSDUCER OPTIONS / OPERATION MODES

Transducer name	THI	D-THI ^{*1}	Precision Imaging/ TE	ApliPure	Dynamic Flow ^{*1}	Power	TDI	4D ^{**}	Volume Color ^{**}	Smart 3D ^{*1}	Elasto-graphy ^{*1}	BEAM ^{**}	Remarks
PSU-25BT	✓		✓ ^{*2}		✓ ^{*3}	✓ ^{*3}	✓						
PSU-30BT	✓		✓ ^{*2}		✓ ^{*3}	✓ ^{*1}	✓						
PSU-50BT	✓		✓ ^{*2}		✓ ^{*3}	✓ ^{*3}	✓						
PSU-70BT	✓	✓	✓ ^{*2}		✓ ^{*3}	✓ ^{*1}	✓						
PVU-350BTP	✓	✓	✓	✓	✓	✓				✓			*4
PVU-375BT	✓	✓	✓	✓	✓	✓	✓			✓			
PVU-382BT	✓	✓	✓	✓	✓	✓				✓			
PVU-674BT	✓	✓	✓	✓	✓	✓				✓			
PVU-674MV	✓	✓	✓	✓	✓	✓		✓	✓				*7
PVU-681MVL	✓	✓	✓	✓	✓	✓		✓	✓				*7
PVU-712BT	✓	✓	✓	✓	✓	✓				✓			
PVU-745BTF	✓	✓	✓	✓	✓	✓				✓			
PVU-745BTH	✓	✓	✓	✓	✓	✓				✓			
PVU-745BTV	✓	✓	✓	✓	✓	✓				✓			
PVU-770ST	✓	✓	✓	✓	✓	✓	✓						
PVU-781VT	✓	✓	✓	✓	✓	✓	✓						
PVU-781VTE	✓	✓	✓	✓	✓	✓	✓						
PVL-715RS	Convex	✓	✓	✓	✓	✓							
	Linear	✓	✓	✓	✓	✓							
PLU-308BTP	✓	✓	✓	✓	✓	✓				✓			*4
PLU-704BT	✓	✓	✓	✓	✓	✓				✓		✓	
PLU-1005BT	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	
PLU-1202BT	✓	✓	✓	✓	✓	✓	✓			✓	✓		
PLU-1204BT	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	
PET-512MA	✓		✓ ^{*2}				✓						*4,6
PET-512MC	✓		✓ ^{*2}				✓						*6,7
PET-512MD	✓		✓ ^{*2}				✓						*6,7
PET-805LA	✓	✓	✓	✓	✓	✓							*6
PC-20M													*8
PC-50M													*8

*1: Optional software is required.

*2: TE (Tissue Enhancement)

*3: Depends on the preset.

*4: Not available in the USA and Canada.

*5: Optional unit USPP-X200A is required.

*6: Optional unit UICW-X200G is required.

*7: Optional unit UIMV-X200A is required.

*8: Optional unit UICW-X200A is required.

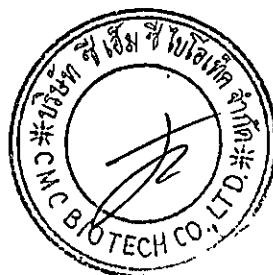
*9: When the pencil transducer is used, optional unit UICW-X200A is required. In other cases, optional unit UICW-X200G is required.

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4D OPERATION MODES

The optional unit UIMV-X200A is required for this operation.

Transducer name	4D Live			Single Sweep			Volume color	4D Biopsy	Luminance*2	Max sweep range (deg)
	Fund.	Pulse Subtract ON	Pulse Subtract OFF	Fund.	Pulse Subtract ON	Pulse Subtract OFF				
PVU-674MV	✓		✓	✓	✓	✓ ¹	✓		✓	75
PVU-681MVL	✓		✓	✓	✓	✓ ¹	✓		✓	150

*1: Differential THI

*2: Optional Software is required.

3D OPERATION MODES

The optional software USFR-X200A is required for this operation.

Transducer name	2D			CDI	Dynamic Flow ¹	Power
	Fund.	Pulse Subtract ON	Pulse Subtract OFF			
PVU-350BTP	✓	✓	✓ ²	✓	✓	✓
PVU-375BT	✓	✓	✓ ²	✓	✓	✓
PVU-382BT	✓	✓	✓ ²	✓	✓	✓
PVU-674BT	✓	✓	✓ ²	✓	✓	✓
PVU-712BT	✓	✓	✓ ²	✓	✓	✓
PVU-745BTF	✓	✓	✓ ²	✓	✓	✓
PVU-745BTH	✓	✓	✓ ²	✓	✓	✓
PVU-745BTV	✓	✓	✓ ²	✓	✓	✓
PLU-704BT	✓	✓	✓ ²	✓	✓	✓
PLU-308BTP	✓	✓		✓	✓	✓
PLU-1005BT	✓	✓	✓ ²	✓	✓	✓
PLU-1202BT	✓	✓	✓ ²	✓	✓	✓
PLU-1204BT	✓	✓	✓ ²	✓	✓	✓

*1: Optional software is required.

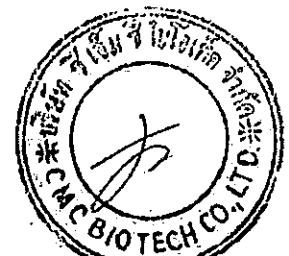
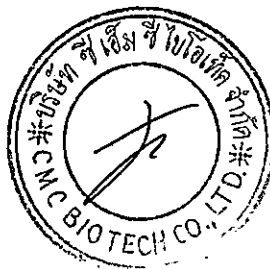
*2: Differential THI

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SPECIFICATIONS

System

4.1.2

- Scan methods:
 - Linear scan (some transducers can perform oblique scanning) 4.1
 - Sector scan 4.1.3
 - Convex scan 4.1.1
 - Trapezoid scan 4.1.4

3.4

Monitor
High-definition 21.5-inch wide LCD monitor with LED backlight

- Resolution: 1600 x 900 (WXGA++)
- Viewing angle: 178°
- Contrast ratio: 1500: 1 (typ.)
- Response time (ms): 14 (typ.)
- Luminance (cd/m²): 300 (typ.)
- Conformance standard: DICOM part 3
- Presets
 - System preset: 1 type
 - Application preset: 20 types

Compatible peripheral devices

- Black-and-white digital printer
 - UP-D897: AC (100 V to 240 V, SONY)
 - UP-D898MD: AC (100 V to 240 V, SONY)
 - P95DW: AC (100 V to 240 V, MITSUBISHI)
 - UP-D898DC/AWO: DC (12 V to 24 V, SONY)
 - P95DW-DC AWO: DC (24 V, MITSUBISHI)
- Color digital printer
 - UP-D25MD: AC (100 V to 240 V, SONY)
 - CP30DW: AC (120 V, 220V to 240 V, MITSUBISHI)
- DVD video recorder
 - HVO-550MD: AC (100 V to 240 V, NTSC/PAL, SONY)
 - DVO-1000MD: AC (100 V to 240 V, NTSC/PAL, SONY)
 - BD-X201M: AC (100 V to 240 V, NTSC, JVC)
 - * For regions other than Europe
 - BD-X201ME: AC (100 V to 240 V, PAL, JVC)
 - * For Europe
- USB flash drive
- Barcode reader

2D mode (B mode) 5

- Viewing Depth
The viewing depth depends on the transducer used.
 - Convex
 - Minimum depth: 2 cm
 - Maximum depth: 40 cm 5.1
 - Linear
 - Minimum depth: 1 cm
 - Maximum depth: 14 cm
 - Sector
 - Minimum depth: 1 cm
 - 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
 - Parallel signal processing is available for up to two directions.

Scan Angle and Scan Width 5.2

- 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

5.3 **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 on an image can be magnified. (Spot Zoom)

Transmission Focus

Transmission conditions: A maximum of 8 steps

Transmission Frequency

- Multi frequency
- 2D mode
 - 5 types (at maximum)

5.5 **THI mode (second harmonic)**

5 types (at maximum)

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

8-step slide controls (common for 2D and M)

Acoustic Output

Adjustment is possible to 100%.

Adjusting the 2D Image Quality

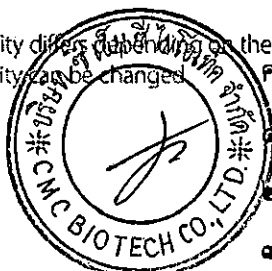
- Dynamic range (also available when the image is frozen)
- Edge enhancement
- Time-smoothing (persistence)
- Map (also available when the image is frozen)
- Auto gain control
- Gamma (also available when the image is frozen)
- Frame rate
- AppliPure
- Precision (USPI-X100A is required.)
- Tissue Enhancement

5.4 **2D Map**

- The grayscale pattern can be changed and virtual color setting on the 2D image is possible.
- Settings can also be changed when the image is frozen.

4.4 **2D Quick Scan**

The gain and STC can be adjusted automatically.

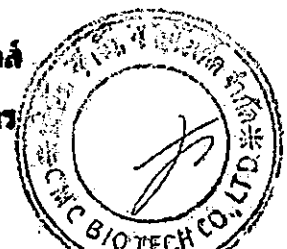


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- **THI (Tissue Harmonic Imaging)**
- **THI signal processing methods** 4.3
 - Pulse subtraction method
 - Filtering method
 - Differential method (USDT-X200A is required.)
- Display Orientation
 - Top/bottom reversal is possible.
 - Left/right reversal is possible.
- **ApliPure** 4.2
 - **ApliPure** 4.2
 - This function reduces ultrasound wave interference with in tissues, which appear as speckle patterns or speckle noise on 2D images.
 - ApliPure+ (USPP-X100A is required.)
 - This function can display the boundaries between tissues more clearly and reduce speckle noise and acoustic shadows.
- **Precision Imaging (USPI-X100A is required.)** 4.6
 - Structures in 2D-mode images can be displayed more clearly and the background can be displayed more smoothly.
- **TSO (Tissue Specific Optimization)** (USSO-X200A is required.)
 - Reception focus compensation can be performed.
- **BEAM (Biopsy Enhancement Auto Mode)**
 - Display of the needle can be enhanced in the image.
 - The enhancement level can be adjusted.
 - * The optional USPP-X100A is required in order to use this mode.

M mode 6

- **M Transmission Frequency**
 - Multi frequency: 5 types (at maximum)
- 6.1 • **M Sweep Speed**
 - The Sweep Speed can be changed in M mode.
 - It can be changed even after the image has been frozen.
- 6.2 • **M Gain**
 - M gain can be corrected for 2D gain.
- **M Image Processing Parameters**
 - M dynamic range
 - M edge enhancement
 - M auto gain control
 - M gamma (can be changed even after the image has been frozen).
- 6.3 • **M Map**
 - M image virtual color setting is possible. The setting can be changed even after the image has been frozen.
- **THI (Tissue Harmonic Imaging)**
 - 2D mode and THI mode are linked, and M images can be displayed in THI mode.
 - Pulse subtraction method
 - Filtering method
 - Differential method (USDT-X200A is required.)
- **M Mark**
 - The M cursor can be displayed on 2D or C images.
 - The M cursor displayed for frozen can be adjusted.

- Flex-M (USXM-X200A is required.)
- 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) 7

- **Doppler Mode** 7.1
 - **FPWD (pulsed-wave Doppler)** 7.1.1
 - **HPRF-PWD** (can be switched to HPRF mode by presetting) 7.1.2
 - **CWD (continuous-wave Doppler)** (UICW-X200A or UICW-X200G is required.)
 - **Pencil CWD (pencil-type transducer)** (UICW-X200A is required.)
- **Doppler Pulse Repetition Frequency (PRF)**
 - **PWD:** 0.3 kHz to 52.1 kHz
 - **CWD:** 1.4 kHz to 52.1 kHz
- **Doppler Scan** 7.2
 - **2D/D simultaneous scan**
 - **D only scan**
- **Doppler Sampling Volume**
 - The Doppler range gate width can be changed.
- **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 7.3

- **The Doppler filter cutoff can be changed**
- **Doppler Gain**
 - The display brightness for Doppler can be changed.
- 4.5 • **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:** 256 (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.

7.4

- **Doppler Audio**
 - Stereo output (blood flow toward and away from the transducer)

Doppler Map 7.5

- **The brightness conversion table and the virtual color for Doppler images can be set**

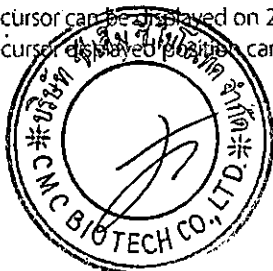
7.7 Display of Doppler Scale

- **2 types (velocity, Doppler shift frequency)**

7.6 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 ultra-



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- 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 3

Color Doppler 2D Mode (BCD Mode) 3.1

- Display mode 3.1.1
 - CDI mode
 - Flow velocity 3.1.1.1
 - Flow velocity/Variance 3.1.1.2
 - Power 3.1.1.3
 - Power Angio mode 3.1.2

Direction display is possible.
 - TDI mode 4.2, 3.1.3
 - ADF (Dynamic Flow) mode (USDF-X200A is required)

Direction display is possible.
 - TwinView™

Simultaneous dual-screen display with 2D mode is available.
- 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 Frame Interpolation

Automatic setting according to the transducer information and selected study conditions.
- 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 3.3

- 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.
- Filters 3.4
 - The C filter can be changed. 3.4.1
 - FIO filter 3.4.2
- Variance Curve
 - The color variance component can be adjusted.

Color Doppler M mode (MDF Mode)

- Display mode
 - MCDI mode
 - Velocity display
 - Velocity/variance display
 - Power display
 - M-TDI mode
- M Color Doppler Map (CDI MAP)

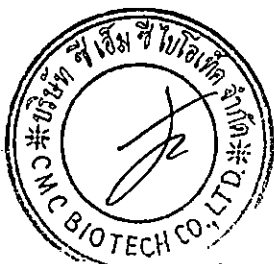
Color Doppler map can be selected for each mode.
- M Color Doppler Velocity Range Selection (C Scale)

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
 - Doppler low-cut filter can be changed.
 - FIO filter function

3.2



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Reference Signals

(UJUR-X200G or UJUR-X201G is required.)

- Type
 - Electrocardiogram (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
- Heart Rate
 - The heart mark blinks in synchronization with the heart beat detected by the ECG.
 - The heart rate is displayed.

Other Diagnostic Images (option)

- Mechanical 4D (UIMV-X200A is required.)

Three-dimensional image data (volume data) can be generated and displayed by using image data acquired for three-dimensional image reconstruction.

 - The following functions can be used.
 - Volume Color
 - Multi View
 - VolPure™
 - Volume View
 - Luminance (USLM-X200A is required.)
 - The following measurements can be performed.
 - MPR
 - Volume
- Panoramic View (USPV-X200A 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 (Linear) (USEL-X201A or USEL-X200A 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 can be performed to calculate the strain within the set ROI. (Not available in the USA.)
- Smart 3D (USFR-X200A is required.)

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

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
 - YY: 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

- 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.

Display-Related Features

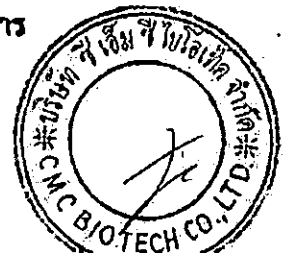
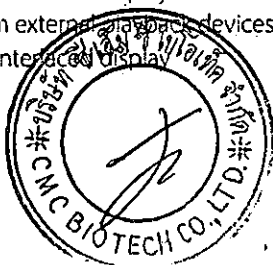
- Display Method
 - Images on the main unit:
 - 60 Hz non-interlaced display
 - Images from external playback devices:
 - 60 Hz non-interlaced display

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- 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
- Trackball assignment status.

· 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

8.4-inch LCD monitor: VGA (640 X 480)

· Language

The following languages are supported for the display of some screens and keyboard entry.

Supported language	Screen display	Keyboard entry
English	○	○
English (UK)	○	○ (same as "English")
German	○	○
French	○	○
Italian	○	○
Spanish	○	○
Danish	○	○
Dutch	○	×
Norwegian	○	○
Swedish	○	○
Finnish	○	○
Portuguese	○	×
Icelandic	○	×
Russian	○	○
Chinese	○	×

O: Applicable X: Not applicable

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 (UIMV-X200A is required.)
 - Distance
 - Area and Circumference
 - Angle
 - CTAR
 - Volume
- 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

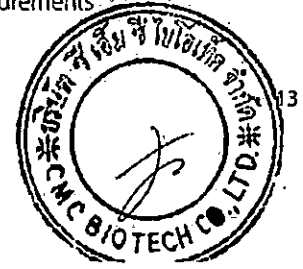
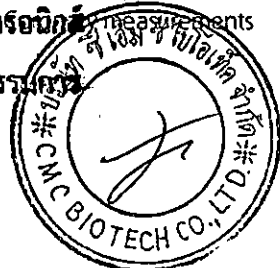
Application Measurement Functions

- Cardiac measurements
 - 2D-mode measurements
 - LV (left ventricular function) measurements
 - LA (left atrial volume) measurements
 - AV (aortic valve) measurements
 - MV (mitral valve) measurements
 - PV (pulmonary valve) measurements
 - LV MASS measurements
 - M-mode measurements
 - LV (left ventricular function) measurements
 - AV (aortic valve) measurements
 - MV (mitral valve) 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

3.2

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- PISA measurements
- 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 (USAN-X200A is required.)
 - Anatomy
 - User chart registration
- 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

Measurement of Stored Image Data

The following measurements can be performed for the DICOM 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).
 - Comment entry is possible.
- 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.

Cine Memory 4.10
 Memory Capacity
 340 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)

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
 - Internal HDD (SATA)
 - 4.11 DVD/CD drive
 - USB flash drive
 - Network: DICOM connection (option)

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 (option) (USSM-X200A is installed.)
 - Whitelist-based antivirus software is employed. The software permits only executable files registered in the whitelist to be executed, preventing execution of malware.

Maintenance Function

- Remote Maintenance (Option)
 - This function makes it possible to remotely control the above systems for maintenance.

Image Format to Export

- Still: BMP/ JPEG
- Movie: MPEG-4/ cinépack/ WMV9

Network

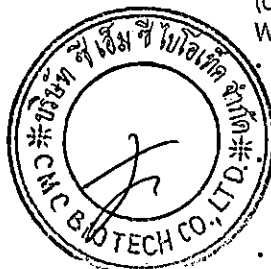
- Ethernet: 10BASE-T/100BASE-TX/Gigabit Ethernet
- Network client system

Wireless Network

(UIWL-X200A is required.)

Wireless network connection is possible with this function.

- Standard
 - IEEE 802.11 b/g/n 2.4 GHz
 - IEEE 802.11 a/n/ac 5 GHz
- Security
 - WPA2-PSK [AES]
 - WPA2-Enterprise [AES] (conformed)
- Frequency
 - 2.4 GHz to 2.5 GHz CCK/OFDM modulation
 - 5 GHz OFDM, 802.11 n MCS0-7, 802.11 ac MCS0-9



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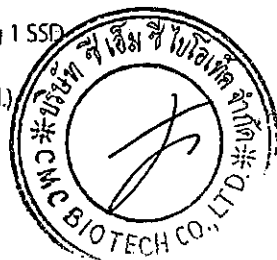


DICOM Function 4.12

- (USDI-X200A is required.)
- DICOM data type
 - US Image (still image)
 - ~~US Multi-Frame (dynamic image) 4.12.6~~
 - ~~SC Image (Storage in a separate file) 4.12.1~~
 - Enhanced US Volume (Volume data image)
 - ~~Structured Report (measurement result information) 4.12.10~~
- Server connection
 - ~~Storage (Server/Media) 4.12.3~~
 - ~~MWM (Modality Worklist Management) 4.12.7~~
 - ~~MPPS (Modality Performed Procedure Step) 4.12.9~~
- Storage function
 - ~~Storage Commitment 4.12.5~~
 - ~~Query/retrieve 4.12.8~~
- Standard conformity check function
 - ~~Verification (export/import) 4.12.2~~
- Print function
 - ~~DICOM Print 4.12.4~~

Signal I/O

- Transducer Connectors
 - Transducer connectors: 3
 - Pencil transducer connector: 1 (UICW-X200A is required)
- VCR Input/Output Signals
 - S-VHS output (UZRI-X203G or UZRI-X204G is required.)
 - S-VHS input (UZRI-X203G or UZRI-X204G is required.)
 - Audio output: L, R (UZRI-X203G or UZRI-X204G is required.)
 - Audio input: L, R (UZRI-X203G or UZRI-X204G is required.)
 - RGB signals for TCS
- External Video Output Signals
 - Composit Video (UZRI-X203G or UZRI-X204G is required.)
 - S-Video (UZRI-X203G or UZRI-X204G is required.)
 - DVI-D
- Internal USB
 - 2.0 for printer : 2 ch
 - 2.0 for panel : 1 ch
- RS-232C
DVD Video control
- External USB
4.USB ports (2 on the front of the main unit and 2 on the rear)
- 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-X200G is required.)
2-switch footswitch



Battery Mode

One UEBT-X200G option is required to operate the system and this enables battery operation when mains power is not available.
Under normal use conditions a single battery will provide power for up to 2 hours.
Up to 2 batteries can be installed in Xario 100G providing 4 hours of usage.

Operating Conditions

Power Supply Requirements

- Line voltage
 - Japan 100 VAC ±10%
 - 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%~~

3.6

- ~~Line frequency 50/60 Hz ±1 Hz~~

- Power capacity
800 VA (max.)

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: 0°C to 45°C
 - Relative humidity: 30% to 90% (no condensation)
 - Atmospheric pressure: 700 hPa to 1060 hPa
- Transportation conditions
 - Ambient temperature:
 - 20°C to 40°C (up to 3 months from the date when the battery is shipped)
 - 20°C to 20°C (up to 1 year from the date when the battery is shipped)
 - 20°C to 50°C (system main unit)
 - 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)
- 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

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Xario 100G

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.

- Other regions requiring compliance with IEC 60601-1 Ed.2
 - General: IEC 60601-1:1988 + A1:1991 + A2:1995
 - Particular: IEC 60601-2-37:2001 + A1:2004 + A2:2005
 - EMC: IEC 60601-1-2:2001 + A1:2004
- Other regions requiring compliance with IEC 60601-1 Ed.3
 - General: IEC 60601-1:2005
 - Particular: IEC 60601-2-37:2007
 - EMC: IEC 60601-1-2:2007

Conformance Standards

- Canada
 - General: CAN/CSA C22.2 No. 60601-1-08
 - Particular: CAN/CSA C22.2 No. 60601-2-37-08
 - EMC: IEC 60601-1-2:2007
- EU and other regions requiring compliance with European Directive 93/42/EEC
 - General: EN 60601-1:2006 + A1:2013
 - Particular: EN 60601-2-37:2008 + A1:2015
 - EMC: EN 60601-1-2:2007/AC:2010
- USA
 - General: UL 60601-1:2003 R4.06
IEC 60601-1-4:1996 + A1
 - Particular: IEC 60601-2-37:2001 + A1:2004 + A2:2005
 - EMC: IEC 60601-1-2:2001 + A1:2004

* 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	CUS-X100G	516 (20.3)	1,297 (51.1) to 1,527 (60.1)	787 (31.0)	90 (198.4)	237 VA 28 VA*
	Height adjusted model of CUS-X100G (Available only in USA, Europe and Australia)	516 (20.3)	1,397 (55.0) to 1,627 (64.1)	787 (31.0)	90 (198.4)	237 VA 28 VA*
DVD video recorder	Sony HVO-550MD [NTSC/PAL]	212 (8.4)	105.5 (4.2)	287.7 (11.3) (including the projection section)	3.2 (7.1)	43.2 W
	Sony DVO-1000MD [NTSC/PAL]	212 (8.4)	128.5 (5.1)	382 (15)	6 (13.2)	56 W
	JVC BD-X201M [NTSC] JVC BD-X201ME [PAL]	212 (8.4)	88 (3.5)	352 (13.9)	4.8 (10.6)	100 VA to 108 VA
B/W digital printer	Sony UP-D897	154 (6.1)	88 (3.5)	240 (9.4)	2.6 (5.7)	190 VA (printing)
	Sony UP-D898MD	154 (6.1)	88 (3.5)	240 (9.4)	2.6 (5.7)	190 VA (printing)
	Sony UP-D898DC/AWO	154 (6.1)	88 (3.5)	165 (6.5)	1.8 (4.0)	98.4 VA (printing)
	Mitsubishi P95DW	154 (6.1)	84.5 (3.3)	239 (9.4)	2.6 (5.7)	190 VA (printing)
	Mitsubishi P95DW-DC /AWO	154 (6.1)	84.5 (3.3)	239 (9.4)	2.6 (5.7)	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)

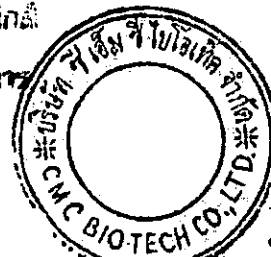
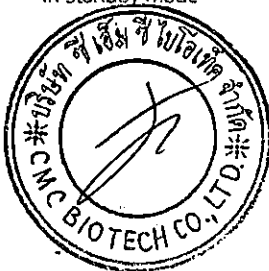
* In Standby mode

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MASS

Model name	Name of component	Mass [kg] (lb)
System main unit		
Xario 100G	CUS-X100G	90 (198.4)
Options/Accessories for main unit		
UICW-X200G	CW unit	0.4 (0.9)
UICW-X200A	CW unit	0.5 (1.1)
UIMV-X200A	4D unit	2.0 (4.4)
UJUR-X200G	Reference signal unit	1.3 (2.9)
UJUR-X201G	Reference signal unit	1.3 (2.9)
UETR-X200G	Isolation transformer for peripheral unit	6.2 (13.7)
UZGW-007A	Gel warmer	1.0 (2.2)
UZFS-X200G	Footswitch kit	1.2 (2.7)
UZMK-X200A	Transducer cable hanger kit	1.0 (2.2)
UZPH-X200G	Transducer Holder kit	0.6 (1.3)
UZBK-X200A	Basket kit	0.4 (0.9)
UZUP-X200G	Panel spacer kit	0.9 (2.0)
UITC-X200G	Transducer adaptor	1.9 (4.2)
UZFA-X200G	LCD flexible arm kit	6.5 (14.3)
UZRI-X200G	Mounting kit for peripheral unit	1.3 (2.9)
UZRI-X201G	Mounting kit for peripheral unit	1.3 (2.9)
UZRI-X202G	Mounting kit for peripheral unit	1.0 (2.2)
UZRI-X203G	Mounting kit for peripheral unit	1.0 (2.2)
UZRI-X204G	Mounting kit for peripheral unit	3.6 (7.9)
UZRI-X205G	Mounting kit for AC B/W printer	0.4 (0.9)
UIWL-X200A	Wireless LAN kit	0.5 (1.1)
USDI-X200A	DICOM kit	0.1 (0.2)
USPV-X200A	Panoramic View kit	0.1 (0.2)
USDT-X200A	Differential THI kit	0.1 (0.2)
USDF-X200A	Dynamic Flow kit	0.1 (0.2)
USEL-X200A	Elastography-FLR kit	0.1 (0.2)
USEL-X201A	Elastography-kit	0.1 (0.2)
USXM-X200A	FLEX-M kit	0.1 (0.2)
USPI-X100A	Precision Imaging kit	0.1 (0.2)
USPP-X100A	ApliPure plus kit	0.1 (0.2)
USAN-X200A	Auto NT kit	0.1 (0.2)
USFR-X200A	Smart 3D kit	0.1 (0.2)
USSM-X200A	Security Management kit	0.1 (0.2)
USSO-X200A	Tissue Specific Optimization kit	0.1 (0.2)
USLM-X200A	Luminance kit	0.1 (0.2)
UEBT-X200G	Battery pack	3.7 (8.2)
UOPM-X200G	Operation manuals	3.0 (6.6)
UZKF-X200A	Local Language Key-Top kit	0.5 (1.1)
UZKG-X200A	Local Language Key-Top kit	0.5 (1.1)
UZKI-X200A	Local Language Key-Top kit	0.5 (1.1)
UZKS-X200A	Local Language Key-Top kit	0.5 (1.1)
UZKD-X200A	Local Language Key-Top kit	0.5 (1.1)
UZKN-X200A	Local Language Key-Top kit	0.5 (1.1)
UZKW-X200A	Local Language Key-Top kit	0.5 (1.1)
UZKR-X200A	Local Language Key-Top kit	0.5 (1.1)

Model name	Name of component	Mass [kg] (lb)
Options/Accessories for main unit		
UP-D897	B/W printer	2.6 (5.7)
UP-D898MD	B/W printer	2.6 (5.7)
UP-D898DC/WO	B/W printer	1.8 (4.0)
P95DW-DC /WO	B/W printer	2.6 (5.7)
P95DW	B/W printer	2.6 (5.7)
UP-D25MD	Color printer	5.5 (12.1)
CP30DW	Color printer	7.3 (16.1)
HVO-550MD	DVD video recorder	3.2 (7.1)
DVO-1000MD	DVD video recorder	6 (13.2)
BD-X201M	DVD video recorder	4.8 (10.6)
BD-X201ME	DVD video recorder	4.8 (10.6)

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