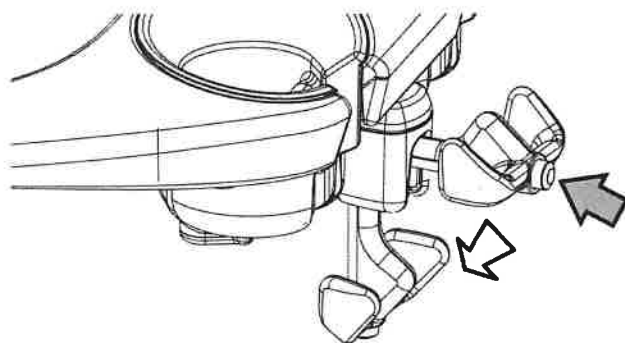
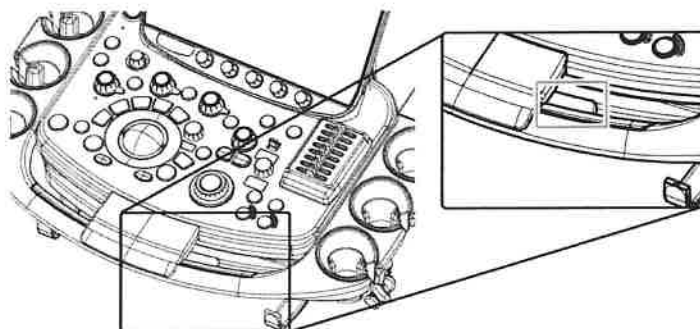


1a

2. If the cable hook next to the probe holder is lifted up, lower the cable hook.  
To lower the cable hook, press the button.



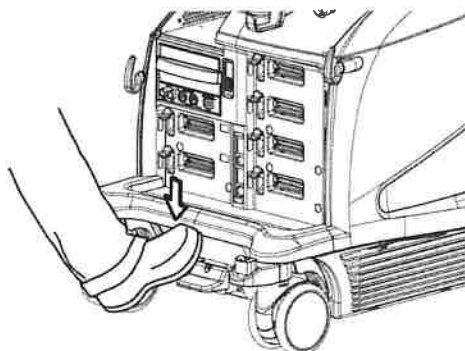
3. Turn the operation panel so it is facing the front.  
Hold the handle lever for the operation panel, and turn the operation panel toward the front.  
If you let go of the lever, the orientation of the operation panel is maintained.



Lever position

NOTE: The operation panel might rotate even if you are not holding the handle lever for the operation panel. This is a design feature, and is not a malfunction. If the operation panel is rotated repeatedly without holding the handle lever for the operation panel, the operation panel's ability to maintain its orientation might change. Make sure that you hold the lever when rotating the operation panel.

4. Move the operation panel to the lowest possible position.  
While holding the operation panel handle and pressing the operation panel height adjustment pedal with your foot, press down on the operation panel.



✓ Press the operation panel height adjustment pedal

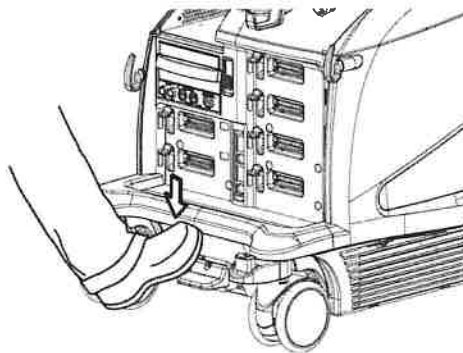


NOTE: Do not place objects on top of installed options or on the operation panel.

### Procedure

1. Depress the caster locks for the front wheels to lock the front wheels in place.
2. Adjust the height of the operation panel by holding the handle with both hands while stepping on the up-and-down pedal of the panel.

NOTE: When adjusting the height of the operation panel, grasp the operation panel handle, not the operation panel or probe holder.



3. Release the up-and-down pedal of the operation panel to lock the height of the operation panel.

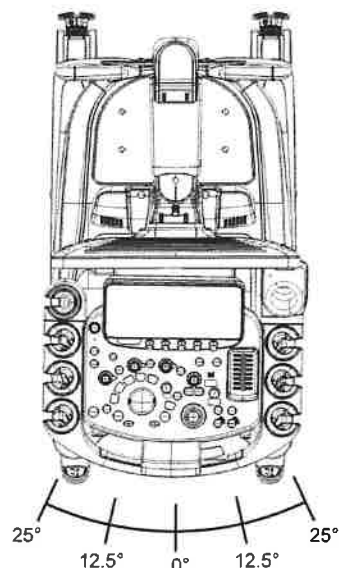
## 3.9.2 Rotating the operation panel

- ✓ The operation panel can be used in 5 positions. In addition to the front position, the panel can be rotated 12.5 degrees or 25 degrees to the right or left.

### Procedure

1. If you are using an optional alphanumeric keyboard, push the keyboard until it clicks.  
NOTE: Be careful not to get your fingers caught between the alphanumeric keyboard and the operation panel handle.
2. While holding the handle lever for the operation panel, rotate the operation panel.  
If you let go of the lever, the orientation of the operation panel is locked.

1 c



NOTE: When rotating the operation panel, grasp the operation panel handle, not the operation panel or probe holder.

NOTE: The operation panel might rotate even if you are not holding the handle lever for the operation panel. This is a design feature, and is not a malfunction.

If the operation panel is rotated repeatedly without holding the handle lever for the operation panel, the operation panel's ability to maintain its orientation might change. Make sure that you hold the lever when rotating the operation panel.

### 3.9.3 Adjusting the monitor height or orientation

#### CAUTION



**Adjust the position and angle of the monitor, keeping a sufficient distance between the system and the peripheral devices, walls, and people.**

**Do not knock the monitor against the touch panel, USB-connected storage medium, cable hook, probe, probe holder, operation panel, or other parts.**

**Route the probe cables so that they do not become entangled with the monitor, monitor arm, or the handle at the back of the system.**

Contact with the monitor might cause injury or might damage surrounding equipment, the walls, the probe, the system itself, the monitor, or the touch panel. Warn doctors, patients, and others in the area before adjusting the position or angle of the monitor.

Should the monitor break and its internal fluid come into contact with the skin, wipe the fluid away and wash the skin in running water for at least 15 minutes. To be on the safe side, consult a doctor. If the fluid gets into contact with an eye, rinse the eye in running water for at least 15 minutes, and consult a doctor immediately.

If the monitor is damaged, stop using the system immediately and contact our office.



**Be careful not to pinch your hands or fingers in the monitor arm when adjusting the location or orientation of the monitor.**

Ignoring this instruction might result in pinch-related injuries of hands and fingers.

### Procedure

- Grasp the frame of the monitor in both hands to adjust its height or orientation. Grasp the frame of the monitor in both hands and move it in a large swinging movement. Even when the monitor arm axis is vertical, it is easier to move the monitor if you swing it.

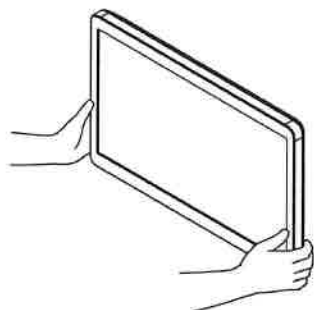
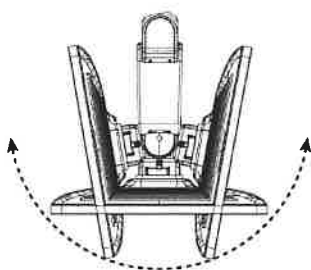
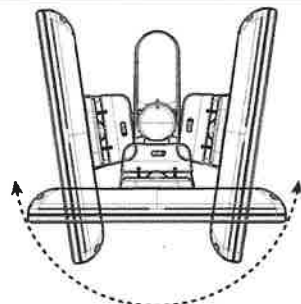
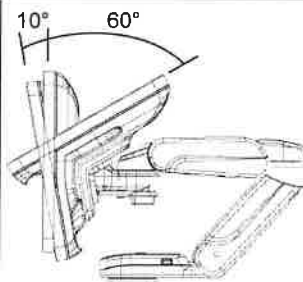
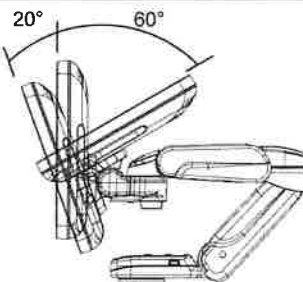
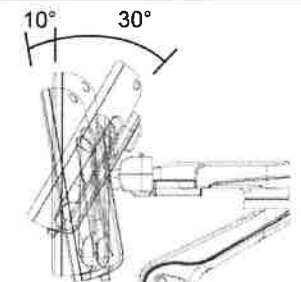
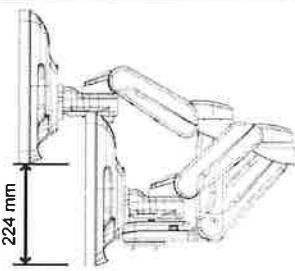
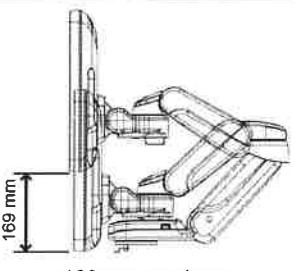
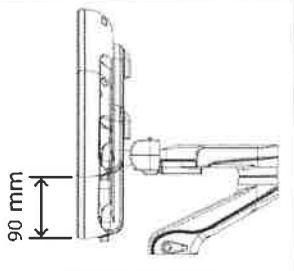
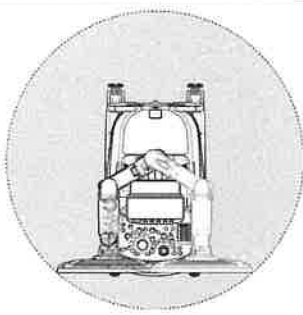
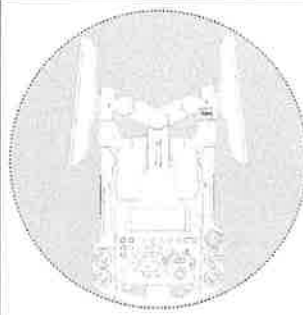
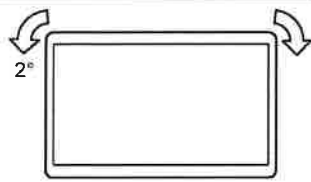


Table 3-1 Movable range of monitor

22-inch monitor (OLED)	23-inch monitor (LCD)	21.5-inch monitor (LCD)
 <p>160° 160° left-right</p>		 <p>180° 180° left-right</p>
 <p>Tilt 10° forward, 60° backward</p>	 <p>Tilt 20° forward, 60° backward</p>	 <p>Tilt 10° forward, 30° backward</p>

1e

22-inch monitor (OLED)	23-inch monitor (LCD)	21.5-inch monitor (LCD)
 224 mm up-down	 169 mm up-down	 90 mm up-down
 Range of rotation		 Range of rotation
 Rotates horizontally		

NOTE: Attempts to move the system beyond its movable range could damage it, or cause it to tip over or fall.

2a

### 3.9.4 Adjusting the brightness levels of the screen, operation panel, touch panel, and the size of the screen

#### Procedure

1. Select [Monitor/Panel Setup] on the System tab.



2. Turn the multi rotary encoder according to the menu content, to adjust brightness.



- Operation panel  
Turn the [Panel LED Brightness] multi rotary encoder.
- Touch panel  
Turn the [Touch PNL Brightness] multi rotary encoder.
- Screen (changing settings in a batch)  
On the touch panel, select [Type A], [Type B], or [Type C] according to the brightness of the room.
- Adjusting screen brightness  
Turn the [Monitor Brightness] or [Monitor Contrast] multi rotary encoder.
- Adjusting screen color temperature  
Turn the [Monitor Color Temp] multi rotary encoder in the direction of the arrow.
- Adjusting the monitor backlight  
Turn the [Monitor BackLight] multi rotary encoder.  
NOTE: Items you can set differ depending on the size of the screen.  
NOTE: This item does not appear when a 22-inch monitor is used.
- Adjusting the size of the screen to be displayed on the monitor  
Turn the [Monitor Scaling] multi rotary encoder.  
NOTE: This item appears only when a 23-inch monitor is used.

#### Supplementary information about adjusting screen brightness

We recommend using Monitor Contrast to adjust screen brightness.

There are two menus that you can use to adjust the screen brightness: Monitor Contrast and Monitor Brightness. In addition, if you display saved images in an environment other than this system, the images might not appear the same as on the screens of the system.

## 3.10 Gel Warmer



### 5.1.3 Cleaning and disinfecting the system exterior

Wipe gently using a soft, dry, lint-free cloth.

#### (1) If the item is very dirty

Clean as described below.

##### Procedure

1. Dampen a soft, lint-free cloth with a neutral detergent diluted with water and wring it out thoroughly.
2. Use the lint-free cloth in step 1 to gently wipe away any dirt.
3. Dampen a soft, lint-free cloth with water and wring it out thoroughly.
4. Use the lint-free cloth in step 3 to gently wipe away any remaining neutral detergent.
5. Use a soft, dry, lint-free cloth to gently wipe away any remaining moisture and leave to dry out.

#### (2) Disinfecting

After performing the above steps, disinfect the relevant part by using the following steps.

##### Procedure

1. Wipe gently with an approved disinfectant.
2. If necessary, dampen a soft, lint-free cloth with water and thoroughly wring it out. Then wipe off any remaining disinfectant.
3. If necessary, use a soft, dry, lint-free cloth to gently wipe away any remaining moisture and leave to dry out.

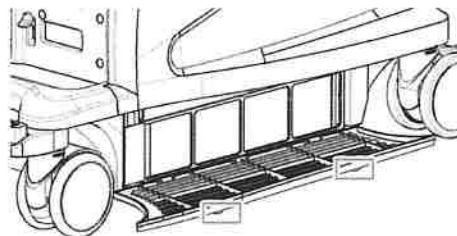
3a

### 5.1.4 Cleaning the filter

The filters are located on the left and right sides of the system.

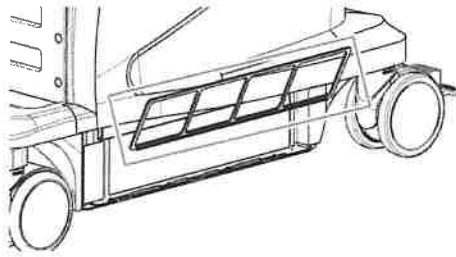
##### Procedure

1. Remove the lid of the filter cover while pressing down the tabs.



2. Pull the filter outward to remove it.

36



3. Use a vacuum cleaner to remove dust from the filter.
4. Clean the filter under running water.
5. Drain water thoroughly, and then dry the filter in a well-ventilated place out of direct sunlight.
6. Check the front and back of the filter and reattach it in the original location.  
NOTE: Push in the filter completely.
7. Close the filter cover.
  - a. Fit the bottom part of the filter cover in the groove in the unit.
  - b. Close the filter cover.  
NOTE: Push in the filter cover completely.

### 5.1.5 Cleaning and disinfecting the viewing monitor cover

Wipe gently using a soft, dry, lint-free cloth.

#### (1) If the item is very dirty

Clean as described below.

##### Procedure

1. Dampen a soft, lint-free cloth with a neutral detergent diluted with water and wring it out thoroughly.
2. Use the lint-free cloth in step 1 to gently wipe away any dirt.
3. Dampen a soft, lint-free cloth with water and wring it out thoroughly.
4. Use the lint-free cloth in step 3 to gently wipe away any remaining neutral detergent.
5. Use a soft, dry, lint-free cloth to gently wipe away any remaining moisture and leave to dry out.

#### (2) Disinfecting

After performing the above steps, disinfect the relevant part by using the following steps.

##### Procedure

1. Wipe gently with an approved disinfectant.
2. If necessary, dampen a soft, lint-free cloth with water and thoroughly wring it out. Then wipe off any remaining disinfectant.





## General Specifications

### Acoustic Power

- 0 to 100%

### Preset Function

- 100 kinds (Max. 10 kinds per each probe)
- Preset contents storable in USB memory
- Q.S.S.(Quick Scanning Selector)
- ✓ Image modifying parameters (e.g. Gain, frequency, depth) of your choice can be registered. (Up to 4 sets per preset)  
These parameters can immediately be registered and selected by touch panel during examinations.
- Preset is booted up in conjunction with ID information (BodyParts or etc.)

### Characters and graphic displays

- Character input area:  
ID, name, age, sex, retained text  
(Can be corrected after exam.)
- Input is possible with virtual keyboard on LCD panel
- Automatic Annotation Labeling:  
800 words (User registration is possible. 10 classes.)
- Body mark:
  - 38 kinds are available per each region.
  - 6 regions+1 user is able to register.
  - Body mark editor to create user's body mark:  
Available
  - Probe mark: 4 kinds
  - Display position: changeable
  - Fetus mark:  
rotatable (Only single horizontal fetus marks)
- Assist line display

### Menu control

- 10.4-inch color TFT LCD touch panel

### Active Probe Ports

- For electronic scanning probes: 6 (4 active, 2 parking)
- For independent probes\*: 1
- \* Option: EU-9184 and EU-9187B are required.

### Input/Output Signals

- Data Input/Output
  - USB2.0: 5 channels  
(Main unit 2+ Operation Panel 3)
  - USB3.0: 1 channel (Main unit 1) \*  
\*: 2 channel when Security box is installed.

- Digital Video Input/Output
  - DVI-D digital: 2 channels (Output1, Input1)
  - Resolution: WXGA++(1600x900)
- Analog Video Input/Output
  - Output
    - Color composite (BNC): 1 channel
    - Y/C: 1 channel
  - Input
    - Y/C: 1 channel
- Network
  - LAN (Wired, Wireless)
- Others
  - Audio (L/R): 2 channels (Output 1, Input 1)

### Viewing Monitor

- 21 inch LCD display
  - Resolution: WXGA++ (1600 x 900)
- Tilt and swivel are possible.
- Height adjustment and swivel together with operation panel.

### Safety Regulation

- IEC 60601-1 Ed.2.0/A2: 1995, IEC 60601-1 Ed.3.1: 2012  
Class I, Type BF

### Environmental Requirements

- In Operation
  - Temperature: +10 to +40 degrees C
  - Relative Humidity: 30 to 75% (non condensing)
  - Atmospheric pressure: 700 to 1060 hPa
  - Altitude: Up to 3000m
- In Storage/Transportation
  - Temperature: -10 to +50 degrees C  
(0 to +50 degrees C for mechanical probes)
  - Relative Humidity: 10 to 90% (non condensing)
  - Atmospheric pressure: 700 to 1060 hPa

### Power Requirement

- 100 to 120/ 200 to 240V ±10%, 50 or 60 Hz,  
Max. 900 VA
- Shut down tool  
Hibernation \*  
\* The status is saved even if the power is unplugged.

### Dimensions

- 55 cm (W) × 90 cm (D) × 122– 169.5cm (H)

### Weight

- 136 kg ±10 % (main unit only)

- The following message is displayed: "Keep the acoustic output level as low as possible. Refer to ALARA recommendations in the Instruction Manual."
- 2. Select [OK].
  - The ultrasound output power value is highlighted on the screen.  
The limit is suspended until the [New Patient] key is pressed. To limit the ultrasound output power again, select [Power Limit Override] again on the touch panel.

## 4.5 Adjusting audio volume

This function adjusts the volume of the Doppler sound, R-wave beep, and external input audio.

### Prior confirmation

Assign [Audio Volume] to the function menu.

### Procedure

- Use [Audio Volume] on the touch panel to adjust.  
The sound is muted when the volume is set to 0.

## 4.6 Mode display



### 4.6.1 Displaying B mode images

#### Prior confirmation

For a quad-screen view, use the presets to assign [Quad] to a direct switch.  
For details on how to assign menu items, see the separate manual "Basic Operations".

#### Procedure

- Displaying a B mode image (single-screen view).
  - Press the [B] key.  
It displays a real-time B mode image (single-screen view).  
Pressing the [B] key while in the Freeze state displays the B mode image (single-screen view) in real time.
- Displaying a B mode image (dual-screen view).
  - a. Press the [Dual] key.
    - This displays the active screen in real time and the non-active screen as frozen images.
- Displaying a B mode image (quad screen).
  - a. Select [Quad], which you assigned to a direct switch or a custom switch.
    - This displays the active screen in real time and the others as frozen images.



- HI REZ PLUS: ON/OFF possible
- Border Clear Filter(BCF): Image filter that enhance the edges of structures.  
ON/OFF possible, only available when HI REZ is ON
- Acoustic Noise Reduction(ANR): It reduces artifacts.  
OFF+9 steps
- Near-field Noise Reduction(NNR): It reduces artifacts and noises in the heart chamber or blood vessels.
  - OFF+3 steps(Low, Mid, High), 5 types(A-E)
  - Carving Imaging: OFF+9 types(combination of NNR type(C, D, E) and levels(Low, Mid, High))
- Low Echo Reduction: Suppresses the hypoechoic areas.  
0 to 70%, 2% step, adjustable in real-time and frozen
- Grayscale Enhancement: Sets the balance between low brightness and high brightness of grayscale.  
OFF+3 steps(Low, Mid, High)
- Auto-optimizer: Gain, TGC, LGC, sound velocity
- Needle Emphasis: Improves the visibility of the puncture needle echo.
- Wide Scanning: Display image with a wide field of view.
- Panoramic View: Display a panoramic image by moving the probe in a wide range.

### M-mode

- Sweep method: Moving bar
- Sweep speed  
7 steps(40.0, 50.0, 66.7, 100, 133.3, 200, 300 mm/sec)
- Gain  
B Gain $\pm$ 30dB, working with B Gain, adjustable in real-time and frozen.
- Dynamic Range  
40 to 90 dB, 1 dB step, adjustable in real-time and frozen.
- Auto Gain Control(AGC): 8 steps(Including OFF)
- Acoustic Noise Reduction(ANR): It reduces artifacts.  
Working with B mode.
- Low Echo Reduction: Suppresses the hypoechoic areas.  
0 to 70%, 2% step, adjustable in real-time and frozen.
- Grayscale Enhancement: Sets the balance between low brightness and high brightness of grayscale.  
OFF+3 steps(Low, Mid, High)
- Free Angular M(FAM): Displays an M mode image on any line of the B mode image.

### Spectral Doppler Mode

- Display: Power spectrum

- Real-time Doppler Auto Trace ✓
- Doppler methods:
  - PW(Pulsed Wave) Doppler
  - HPRF(High Pulse Repetition Frequency) PW Doppler
  - Dual Gate Doppler
  - CW(Continuous Wave) Doppler\*
  - TD(Tissue Doppler)-PW
- Reference frequencies (probe dependent):  
Maximum 3 frequencies
  - PW: 1.5, 1.9, 2.1, 2.5, 3.2, 3.5, 3.8, 4.0, 4.4, 5.2, 6.0, 6.3, 7.5, 10.0 MHz
  - CW: 1.8, 2.0, 2.1, 3.0, 3.3, 3.8, 5.0 MHz
- Pulse repetition frequency
  - PW: 0.05 to 40 kHz
- Analysis rate
  - CW: 1.1 to 40 kHz
- Max. velocity range:
  - PW/HPRF:  $\pm$ 1.26 cm/sec to  $\pm$ 802.08 cm/sec
  - CW:  $\pm$ 25.07 cm/sec to  $\pm$ 1600 cm/sec
- Base line shift: Adjustable in real-time and frozen.
- Steerable CW: Possible with selected probes.
- Beam Steer
  - 30 to 30 degrees(probe dependent), 5 degrees step, possible with linear probes.
- Spectrum inversion
- Angle correction  
0 to 80 degrees, adjustable in real-time and frozen.  
Auto angle correction
- Sample Volume  
Size: 0.5 to 20 mm(0.5 mm, 1.0 mm step)  
Display depth of the sample volume
- Wall filter: 12 steps, 1/16 of PRF is Max.
- Gain  
0 to 60 dB, ON/OFF possible, adjustable in real-time and frozen.
- Low Echo Reduction: Suppresses the hypoechoic areas.  
0 to 30%, 2% step
- Grayscale Enhancement: Sets the balance between low brightness and high brightness of grayscale.  
OFF+3 levels(Low, Mid, High)
- Echo Enh.: OFF+2 levels(Low, High)
- Dop. Gamma: Changes the Doppler waveform contrast, and the level of gamma adjustment.  
8 levels, adjustable in real-time and frozen.
- Auto Optimizer: Automatically adjusts image.  
Gain, PRF, baseline, Angle Correction, position of sample volume
- Audio output: 2 channels

business where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer. Microsoft is the device manufacturer for devices produced by Microsoft or one of its affiliates, and Microsoft is the retailer if you acquired the software directly from Microsoft.

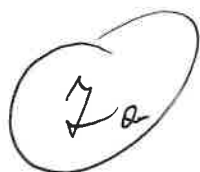
This agreement describes your rights and the conditions upon which you may use the Windows software. You should review the entire agreement, including any supplemental license terms that accompany the software and any linked terms, because all of the terms are important and together create this agreement that applies to you. You can review linked terms by pasting the (aka.ms/) link into a browser window.

**By accepting this agreement or using the software, you agree to all of these terms, and consent to the transmission of certain information during activation and during your use of the software as per the privacy statement described in Section 3. If you do not accept and comply with these terms, you may not use the software or its features.** You may contact the device manufacturer or installer, or your retailer if you purchased the software directly, to determine its return policy and return the software or device for a refund or credit under that policy. You must comply with that policy, which might require you to return the software with the entire device on which the software is installed for a refund or credit, if any.

## 1. Overview.

- a. **Applicability.** This agreement applies to the Windows software that is preinstalled on your device, or acquired from a retailer and installed by you, the media on which you received the software (if any), any fonts, icons, images or sound files included with the software, and also any Microsoft updates, upgrades, supplements or services for the software, unless other terms come with them. It also applies to Windows apps developed by Microsoft that provide functionality such as mail, calendar, contacts, music and news that are included with and are a part of Windows. If this agreement contains terms regarding a feature or service not available on your device, then those terms do not apply.
- b. **Additional terms.** Depending on your device's capabilities, how it is configured, and how you use it, additional Microsoft and third party terms may apply to your use of certain features, services and apps.
  - (i) Some Windows apps provide an access point to, or rely on, online services, and the use of those services is sometimes governed by separate terms and privacy policies, such as the Microsoft Services Agreement at (aka.ms/msa). You can view these terms and policies by looking at the service terms of use or the app's settings, as applicable; please read them. The services may not be available in all regions.
  - (ii) The manufacturer or installer may also preinstall apps, which will be subject to separate license terms.
  - (iii) The software may include third party software such as Adobe Flash Player that is licensed under its own terms. You agree that your use of Adobe Flash Player is governed by the license terms for Adobe Systems Incorporated at (aka.ms/adobe/flash). Adobe and Flash are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.
  - (iv) The software may include third party programs that are licensed to you under this agreement, or under their own terms. License terms, notices and acknowledgements, if any, for the third party program can be view at (aka.ms/thirdpartynotices).

## 2. Installation and Use Rights.



76.1

Newsletter No.1637

Nov. 29, 2022

Dear Partners,

Information on Change of RVS Flexible Stand



We would like to inform you about the change of RVS Flexible Stand (EZU-RVF1B).

1. Summary

The handle of RVS Flexible Stand will be changed and production and supply will start in sequence.

2. Changes

The appearance and material of the handle of RVS Flexible Stand will be changed as follows.

	Before	After
Appearance		
Material	Metal	ABS* (Acrylonitrile Butadiene Styrene)

\*: There is no change in strength due to the change of material (ABS).

3. Remark

If the previous product is required as replacement for maintenance, may offer this redesigned product as a replacement.

We hope the above information will be helpful for all of you.

Yours very truly,  
FUJIFILM Healthcare Corporation

M. Sato  
Senior Director  
US Business Operation Division  
Ultrasound Diagnostic Systems Division

76.2

Newsletter No.1633

Oct. 21, 2022

Dear Partners,

Information on ARIETTA 750LE/750SE/750VE Ver.3.0

We would like to introduce ARIETTA 750LE/750SE/750VE Ver.3.0 as below.

1. Major changes

Category		Contents
Additional Probes		CL4416R, EUP-L53L*
Main topic of Ology	Shared Service	<ul style="list-style-type: none"> <li>• Appended Exam improvement</li> <li>• Beam Steer control of color ROI improvement</li> <li>• DFI frame rate limit</li> </ul>
	CV	<ul style="list-style-type: none"> <li>• Tracking accuracy improvement in 2DTT</li> <li>• Image loading time improvement in 2DTT</li> <li>• Work flow improvement (ROI correction, AVC label) in 2DTT</li> </ul>
	RAD	<ul style="list-style-type: none"> <li>• Shear Wave Elastography (SWE) with L64</li> <li>• Functional improvement in SWE</li> <li>• Wide Scanning (CL4416R1)</li> <li>• Multiple puncture guideline display (CL4416R, CL4416R1)</li> </ul>

\*: JB-293 is necessary to connect EUP-L53L.

For more details of the changes, please see the attached product presentation file.

✓ PP-AR750-V30-E01

2. Main Specifications

ARIETTA 750LE

✓ SPH-ARIETTA750LE-V30-E01 (for overseas except USA)

ARIETTA 750SE

✓ SPH-ARIETTA750SE-V30-E01 (for overseas except USA)

ARIETTA 750VE

✓ SPH-ARIETTA750VE-V30-E01 (for overseas except USA)

7c

3. Version Upgrade Kit

- ✓ PM-AR750-S300EXP (for overseas except USA)

It upgrades software to Ver.3.0 and enables to connect all the probes compatible with Ver.3.0 and earlier.

4. Serial Number

We will announce as soon as we confirm.

5. Remark

New probe C421 is mentioned in the IFU and specifications, etc. However, C421 is not currently available.

We will announce the C421 launch as soon as it will be ready.

ARIETTA 750LE/ARIETTA 750SE/ARIETTA 750VE is replaced with MDR compliant system from this version.

It is possible to upgrade the installed system, which is an MDD system, to this version. However, the upgraded system does not comply with MDR, therefore the CE Mark label remain unchanged from MDD.

We hope the above information will be helpful for all of you.

Yours very truly,

FUJIFILM Healthcare Corporation

M. Sato

Senior Director

US Business Operation Division

Ultrasound Diagnostic Systems Division

Produsătorul periodic va face upgrade, adău-  
gându-se noi funcții și posibilități de conec-  
tare a sondelor. Aceste schimbări se transmit  
către distribuitor printr-un avis informațional,  
exemplu de mai sus (76.1 ÷ 76.2)

## **Data Management**

### **Image data**

- Format
  - Multiple-frame(moving) image
    - DICOM(Raw, MJPEG)
    - PC Format(WMV, AVI, MP4)
  - Single-frame(still) image
    - DICOM(Non-compressed, RLE, RGB(Plane/Pixel), JPEG)
    - PC Format(Tiff, Bmp, JPEG)
- Image acquisition mode
  - Real-time multi-frame image acquisition
    - Raw, Image, RAW and Image at the same time
    - Post ECG: Max. 10 cardiac cycles(R-R)
    - Pre ECG: Max. 10 cardiac cycles(R-R)
    - Post Time: Max. 90 seconds
    - Pre Time: Max. 16 seconds
  - Manual:
    - Raw data: Max. 150 seconds
    - Image data: Max. 180 seconds
  - Cine loop high-speed data transfer(Raw, Image)
    - It is possible to selectively store data of arbitrary section in the Cine Memory.
  - Simultaneous output to multiple media
    - It is possible to output still image data to multiple of storage media include network and printers at the touch of a button.
- Image data management tool
  - Image viewer
    - Compatible with DICOM and PC-format images
    - Simultaneous display of stored and real-time images is possible(Compare mode)
    - Thumbnail display of stored images(1-36 images)
    - Check mark is put on a transferred image
    - Image zoom, rotation, inversion
    - Protect stored images
    - 1:1 replay(main unit HDD or DICOM storage data)
    - DVD-RAM
    - CD-R
    - USB memory
    - USB HDD
    - Re-storing to media, transfer
    - Adjustment is possible on the reconstructed Raw-data image (Gain, Dynamic Range, Gamma Curve, and Color Map in CF mode)

### **Measurement data**

It is possible to store measurement data in the main unit hard disk

### **Patient data**

- Displayed information\*
  - Patient information
    - ID(up to 64 characters), Name(up to 64 characters, including middle name), Birthdate, Sex, Age, Height, Weight, Occupation
  - Study information
    - Procedure ID, Accession, Study ID, Study Description, Referring physician, Reporting Phys, Sonographer

\*: Conforms to DICOM 3.0 standard

### **Data storage**

- Main unit hard disk
  - Capacity: Approx. 1TB
- USB memory
- USB HDD
- CD-R
- DVD-RAM
- DVD-R
- Network interface(DICOM format)
  - 10 BASE/T or 100 BASE/TX, automatically switched

### **DICOM network communication**

- Conformity to DICOM service class:
    - Ultrasound image storage SCU
    - Ultrasound multi-image storage SCU
    - Storage media FSC/FSR
    - Print management SCU
    - Modality worklist management SCU
    - Modality performed procedure step(MPPS) SCU(For details, please refer to the DICOM Conformance Statement issued by FUJIFILM Healthcare Corporation.)
  - Storage
    - Possible to store patient information directly to DICOM file server.
  - Print
    - Possible to printout images with DICOM compatible printer directly.
  - Work list management
    - Retrieval of patient and reservation information from hospital information system(HIS)
- NOTE: The HIS needs to be compatible with DICOM standard



supplement 10. The HIS network and the DICOM network need to be linked.

- Router setting
- Compatible with SR(Structured Report) for OB, cardiology, vascular and abdominal measurements\*<sup>1</sup>
- Query/Retrieve\*<sup>2</sup>
- Compatible with ED(Evidence Documents)
- Profile
- Integrated Healthcare Enterprise(IHE)
  - SWF(Scheduled Workflow)
  - PDI(Portable Data for Imaging)
  - ED(Evidence Documents in Radiology/Cardiology domain)
  - Echocardiography Workflow
  - CT(Consistent Time)

\*1 Option: SOP-ARIETTA750-21

\*2 Option: SOP-ARIETTA750-59

8.6

### Security measures

- User authentication function is available.
  - 3 Types of user authority can be set.
  - It is possible to set whether password is necessary or not at the start of operation.
- Audit logs
  - ✓ Accesses related to user management and patient data are recorded as audit log data.
  - ✓ Handling of these logs is limited to users with Level 1 access.

### Teaching file

Possible to create teaching file.

#### D mode

- Arterial blood flow measurement: Renal Artery

#### **Report functions**

- Measurement report
  - Abdominal measurement report
  - Cardiac function measurement report
  - Vascular measurement report
  - Small parts measurement report
  - Obstetric measurement report
  - Gynecology measurement report
  - Urological measurement report
- Recall past measurement reports.
- Plot examination data history on the report.
- Direct printout of each report with an optional PC printer.
- Output of measurement values in CSV file is possible.

g.c

#### **Others**

- Playback measurement
- Assign measuring functions to the alphabet keys on the keyboard.
- User's Calculation: Combine basic measurement functions such as distance, area and flow velocity to create index calculation formulas for measurement packages.
  - It is possible to create measurement packages that contain a total of 30 calculations per application.
- Reserved Word: Measurement parameter names for application measurements, or user-registered measurement names that can be used in User's Calculation.
  - 60 reserved words can be registered for each application.
- Font size of measurement result
  - 3 kinds(x1, x1.2, x1.4)