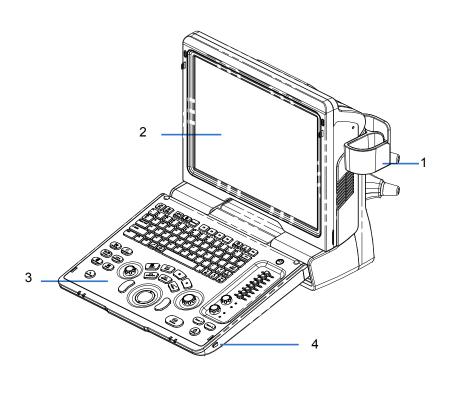
Z6 Vet Diagnostic Ultrasound System

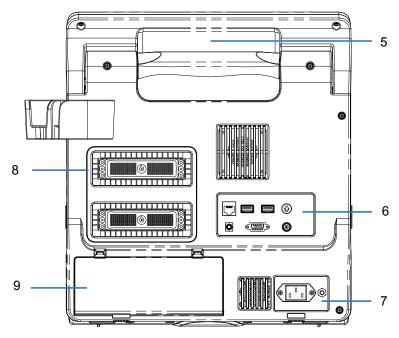
Operation Note

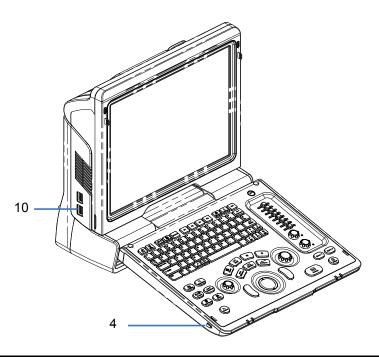
Table of Contents

Tak	ole of Contents	İ
1	System Introduction	1
2	Control Panel	3
3	System Power ON/ OFF	7
4	Enter or Search Animal Information	8
5	Select Probe and Exam Mode	10
6	Image Adjustment	11
7	Image Optimization: B	12
8	Image Optimization: M	14
9	Color Mode Imaging Procedure	15
10	Power Mode Imaging Optimization	16
11	PW/CW Imaging Procedure	17
12	Image Adjustment: PW/CW	18
13	TDI (Tissue Doppler Imaging)	19
14	Anatomical M Imaging	20
15	iScape	21
16	Image Display & Magnification	22
17	Cine Review	24
18	Image Storage, Review and Analysis	25
19	Comments and Body Marks	26
20	Measurement	27
21	Report & Print	28
22	Setup	29

1 System Introduction

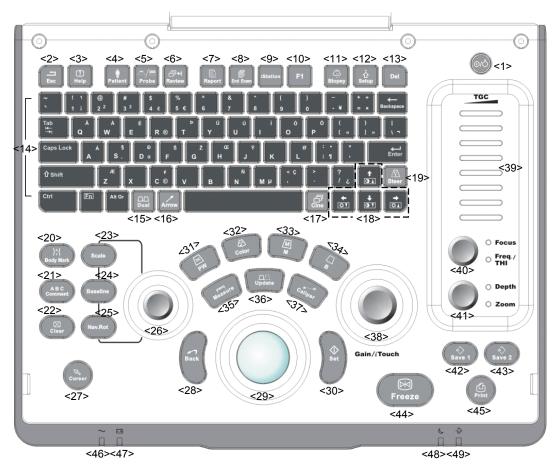






No.	Name	Function	
1.	Probe holder	Used to place the probe	
2.	LCD Display	Displays the image and parameters during scanning (tilt angle adjustable)	
3.	Control Panel	See Section 2	
4.	Lock button (x2)	Press to release the control panel while it's folded	
5.	Handle	Used to carry the machine	
6.	I/O Panel	Interface panel used for inputting and outputting signals	
7.	Power supply panel	Electrical port panel	
8.	Probe ports	Used to connect the probe	
9.	Battery cover	Used to hold the battery	
10.	USB ports	Used to connect USB devices	

2 Control Panel



No.	Name	Description	Function
			Off: when system is turned off;
1	1	Power button	Green: when system is turned on by pressing this button;
			Orange: when system is in standby.
2	Esc	Exit	Press to exit the current status to the previous status.
3	Help	/	Press to open or close the accompanying help documents.
4	Patient	Animal Information	Press to open/ exit animal information screen.
5	Probe	Probe switch	Press to switch Probe and Exam Type
6	Review	1	Press to review the stored images.

No.	Name	Description	Function
7	Report	/	Press to open or close the diagnosis reports.
8	End Exam	/	Press to end an exam.
9	iStation	1	Press to enter or exit the animal information management system.
10	F1	User-defined key	You can assign a function to the key.
11	Biopsy	1	Press to show or hide the biopsy guide line.
12	Setup	1	Press to open/close the setup menu.
13	Del	1	Press to delete the comment, etc.
14	1	Alphanumeric keys	Same as on PC
15	Dual	Dual-split	Press to enter Dual mode from non-Dual mode;
10	Duai	screen	Press to switch between windows in Dual mode.
16	Arrow	1	Press to enter or exit the arrow comment status.
17	Cine	Cine Review	Press to enter or exit the Cine Review status.
18	/	Direction key	To adjust LCD brightness or contrast when pressing with <fn> key.</fn>
19	Steer	1	Press to activate the steer function for linear probe.
20	Body Mark	/	Press to enter or exit the Body Mark status.
21	Comment	1	Press to enter or exit the character comment status.
22	Clear	1	Press to clear the comments or measurement calipers on the screen.
23	Scale	/	Press to adjust image parameter of Scale.
24	Baseline	/	Press to adjust image parameter of Baseline.
25	Nav.Rot	/	Multifunction knob
26	1	1	To adjust the image parameter combed with the key of Scale/Baseline/Nav.Rot
27	Cursor	/	Press to show the cursor.
28	Back	1	Press to return to the previous operation or delete the previous item.
29	1	Trackball	Roll the trackball to change the cursor position.

No.	Name	Description	Function
30	Set	1	Press to confirm an operation, same as the left-button of a mouse.
31	PW	/	Press to enter PW mode
32	Color	/	Press to enter Color mode
33	М	1	Press to enter M mode
34	В	/	Press to enter B mode
35	Measure	/	Press to enter/ exit Application Measurement
36	Update	/	Measurement status: press to switch between the fixed and active end of the caliper; Multi-imaging mode: press to change the currently active window.
			iScape: press to start/stop image acquisition.
37	Caliper	1	Press to enter/ exit general Measurement
	Gain/ iTouch	1	Rotate: to adjust gain
38	Gain/ Houch	1	Press: to enter/ exit iTouch
39	TGC	/	Move to adjust time gain compensation.
40	Focus Freq./THI	I	Press: to switch between Focus and Freq./THI; Rotate: to adjust corresponding parameter
41	Depth	1	Press: to switch between Depth and Zoom;
41	Zoom	1	Rotate: to adjust corresponding parameter
42	Save 1	/	Press to save, user-defined key
43	Save 2	/	Press to save, user-defined key
44	Freeze	/	Press to freeze or unfreeze the image.
45	Print	1	Press to print: user-defined key.
46	1	Indicator 1	AC indicator AC supply: light green; Battery supply: light off.

No.	Name	Description	Function
			Battery status indicator
			Charging: light in orange
			Full: light in green
47	1	Indicator 2	Discharge (electricity >20%): light in green
.,	,	maioator 2	Discharge (electricity <20%): blinking in orange
			Discharge (electricity <5%): blinking in orange rapidly
			Non-charge/ discharge: light off
		Indicator 3	Standby indicator
48	/		Standby: blinking in orange
			Other status: light off
			HDD status indicator
			Read/ write: blinking in green
49	1	/ Indicator 4	Other status: light off
			NOTE: DO NOT move the machine when the indicator blinking in green. Otherwise the HDD may be damaged by sudden shake.

3 System Power ON/ OFF

<u>∧</u>CAUTION:

- 1. To ensure the safe and effective operation of the system, you need to perform daily maintenance and checks. See Operator's Manual [Basic Volume] for details.
- 2. If the system begins to function improperly immediately stop scanning. If the system continues to function improperly fully shut down the system and contact Mindray Customer Service Department or sales representative. If you use the system in a persistent improper functioning state you may harm the animal or damage the equipment.

Power ON

1. Connect the system to power supply; press the power button to turn on the system.

Or press directly when the battery is of sufficient capacity.

Power OFF normally

Gently press the power button once on the upper right corner of the control panel. The [Shutdown Confirm] screen appears.

- Shut down: To power off the system normally.
- Stand by: To enter the standby status.
- Cancel: To cancel the operation.

If you will not use the system for a long period of time, after powering off the system, you shall disconnect the power supply; turn off powers of all peripherals connected to the system.

■ Direct shout down

If you cannot do it normally, press and hold the power button for a long time and the system will power off without displaying the [Shutdown Confirm] screen. Shutting down the system this way may destroy the data.

NOTE: DO NOT rush shutdown of the system in a direct way. It may destroy the data. DO NOT directly shut down the system. It may corrupt the data.

4 Enter or Search Animal Information

■ To enter animal information

Enter the animal information before the exam:

1. Press to end the current animal exam to start a new exam.

- 2. Press Patient to enter the Animal Information screen.
- 3. Enter the General Information.
- 4. Select exam type.
- 5. Enter the exam type related information.
- Click [OK] to save the entered information and exit; or,Click [Cancel] to cancel the entered information and exit.
- To search for animal information
- 1. Enter iStation (Animal Data Management).
 - Press Station on the keyboard;
 - Click [iStation] in the Animal Info screen; or
 - Click [iStation] in the Review screen.
- 2. In the Data Source field, select the animal information recorded location.
- Set the animal conditions in the Search field, and the system displays the results in real time.
- 4. When an animal is selected, you can view images and reports in the file list.
- 5. Select an animal record and the following menu pops up:



Function descriptions:

Button	Function	Description
	Review Image	Click to enter the Review screen.
	Animal Info	Click to enter the Animal Info screen.
	Review Report	Click to enter the Diagnostic Report screen.
×	Delete Exam	Click to delete the selected record.
	Backup Exam	Click to export the selected animal data to media supported.
	Restore Exam	Click to import the animal data from an external media.
	Send Exam	Click to send the selected animal data to external device, DICOM storage server or DICOM printer.
	Active Exam	Click to continue an exam finished within 24 hours.
	Continue Exam	Click to continue an unfinished exam carried out within 24 hours.

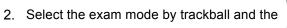
Other buttons:

- [New Exam]: Click to enter Animal Info screen, meanwhile, the corresponding animal information is also imported to the new exam. After you edit the animal information in the Animal Info screen, select [OK] to start a new exam.
- [Select All Exams]: Click to select all records.
- [Exit]: click to exit iStation.

5 Select Probe and Exam Mode

After the probe is connected,

1. Press to open the exam mode selection dialog box.





key.

6 Image Adjustment

■ Adjusting through Image Menu:

Use the trackball and



key or the multifunctional knob to adjust.

Adjustment through control panel: Trackball, control panel key, knob or sliders.

Requirement	Available Operations
	Adjust gain
To modify the brightness	Adjust TGC
	Adjust [A. power] (do try to adjust gain first before increasing the acoustic power)
	Adjust [Dynamic Range]
To modify gray scale image	Adjust [Gray Map]
effect	Adjust [Persistence]
	Adjust [iClear]
	Decrease depth
To increase frame rate of	Decrease the [Focus Number] in B mode
gray scale imaging	Decrease the [FOV] in B mode
	Decrease [Line Density]
	Decrease ROI in Color/Power mode
To increase frame rate of	Turn on [B/C Align] in Color/Power mode
color imaging	Decrease [Packet Size] in Color mode
	Decrease [Line Density]
	Adjust [Frequency]
To modify flow images	Adjust [Scale]
effect	Adjust [Packet Size]
(Resolution and sensitivity)	Adjust [Line Density]
	Adjust [Smooth]

7 Image Optimization: B

- 1. Enter the animal information, and select the appropriate probe and exam mode.
- 2. Press on the control panel to enter B mode.
- 3. Adjust parameters to optimize the image, and make other operations (e.g. measurement).

	Depth	Changes image display depth, by <depth zoom=""> knob.</depth>
	Zoom	Image zooming, by <depth zoom=""> knob.</depth>
	Focus	Changes focus position, by <focus freq.=""> knob.</focus>
Control	Frequency	Changes probe frequency, by <focus freq.=""> knob.</focus>
Panel	TGC	Manually adjust time gain compensation, by TGC slider.
	Gain	Changes B mode gain, by <gain itouch=""> knob.</gain>
	iTouch	Image auto-optimization, by <gain itouch=""> knob.</gain>
	B Steer	Changes B steer angle of linear probe, by <steer> key.</steer>
	Tint Map	Selects among available colorize maps.
	Invert	Inverts the image vertically or horizontally: L/R Flip, U/D Flip.
	FOV	Adjusts the scan area.
	Auto Merge	Merges images of two windows in Dual mode.
	Dynamic Range	Adjusts contrast resolution of an image, compresses or expands gray display range.
	Gray Map	Selects among post processing map curves to optimize grayscale images.
	Line Density	The function determines the quality and information of the image.
	A. power	Selects the acoustic power value.
Menu	ExFOV	Extend convex probe scan angle or turns on/ off trapezoid function of linear probe.
	iClear	Increases B mode image profile for better boundary details.
	iBeam	Used to superimpose and average images of different steer angles to obtain image optimization.
	TSI	Selects acoustic speed according to tissue characteristics.
	Persistence	Used to superimpose and average adjacent B images, so as to optimize the image and remove noises.
	H Scale	Display or hide the width scale (horizontal scale).
	Gray Invert	Reverses the polarity of the image.
	Focus Number	Changes focus number.

8 Image Optimization: M

- 1. Select a high-quality image during B mode scanning, and adjust to place the area of interest in the center of the B mode image.
- 2. Press on the control panel, and roll the trackball to adjust the sampling line.
- 3. Press M on the control panel again or update to enter M mode, then you can observe the tissue motion along with anatomical images of B mode. During the scanning process, you can also adjust the sampling line accordingly when necessary.
- Adjust parameters to optimize the image, and make other operation (e.g. measurement).

	Gain	Changes M mode gain, by rotating <gain itouch=""> knob.</gain>
Control	Depth	Changes image display depth, by <depth zoom=""> knob.</depth>
Panel	TGC	Manually adjust time gain compensation, by TGC slider.
	Focus	Changes focus position, by <focus freq.=""> knob.</focus>
	Frequency	Changes probe frequency, by <focus freq.=""> knob.</focus>
	Speed	Increases or decreases the M mode sweep speed.
	Display Format	Selects the display format of M mode image with B mode image.
	A. power	Selects the acoustic power value.
Menu	Gray Map	Selects among post processing map curves to optimize grayscale images.
Merid	Dynamic Range	Adjusts contrast resolution of an image, compresses or expands gray display range.
	Tint Map	Select among available colorize maps.
	M Soften	Rejects noise to make images clear.
	Edge Enhance	Increases image profile.

9 Color Mode Imaging Procedure

1. Select a high-quality image during B mode scanning, and adjust to place the area of interest in the center of the image.





to enter B+Color mode. Use the trackball and



key to

change position and size of the Region of Interest (ROI).

3. Adjust parameters to optimize the image, and perform other operations (e.g. measurement).

	Gain	Changes Color gain, by rotating <gain itouch=""> knob.</gain>		
Control Panel	Frequency	Changes probe frequency, by <focus freq.=""> knob.</focus>		
	Depth	Changes image display depth, by <depth zoom=""> knob.</depth>		
	Steer	Steers the color image without moving the probe, by <steer> key.</steer>		
	Scale	Changes PRF to adjust the velocity display range, by <scale> key.</scale>		
	Baseline	Changes the velocity display range, by <baseline> key.</baseline>		
Menu	Invert	Inverts the color bar so as to change the flow display manner.		
	B/C Align	Sets and constrains the maximum width of the B mode image to that of the Color ROI.		
	Dual Live	Turns on/ off a synchronous display of B image and Color image.		
	Priority	Sets the flow priority to play: grayscale or color signal.		
	Packet Size	Adjusts the sensitivity of detecting low-velocity flows.		
	Мар	Selects among groups of image display effects.		
	Wall Filter	Filters out signals of low speed flow.		
	Line Density	The function determines the quality and information of the image.		
	Smooth	Rejects noise and makes the image smooth.		
	Persistence	Smooth processing of an image.		
-				

10 Power Mode Imaging Optimization

- 1. Select a high-quality image during B+ Color scanning, and adjust to place the area of interest in the center of the image.
- 2. Click [Power Mode] on the menu to enter Power mode. Use the trackball and



to change position and size of the Region of Interest (ROI).

3. Adjust parameters to optimize the image, and perform other operations (e.g. measurement).

Control Panel	Gain	Changes Color gain, by rotating <gain itouch=""> knob.</gain>		
	Frequency	Changes probe frequency, by <focus freq.=""> knob.</focus>		
	Depth	Changes image display depth, by <depth zoom=""> knob.</depth>		
	Scale	Changes PRF to adjust the velocity display range, by <scale> key.</scale>		
	Baseline	Changes the velocity display range, by <baseline> key.</baseline>		
	B/C Align	Sets and constrains the maximum width of the B mode image to that of the Color ROI.		
	Dual Live	Turns on/ off a synchronous display of B image and Color image.		
	Priority	Sets the flow priority to play: grayscale or color signal.		
	Packet Size	Adjusts the sensitivity of detecting low-velocity flows.		
Menu	Мар	Selects among groups of image display effects.		
Menu	Wall Filter	Filters out signals of low speed flow.		
	Line Density	The function determines the quality and information of the image.		
	Smooth	Rejects noise and makes the image smooth.		
	Persistence	Smooth processing of an image.		
	Dynamic range	Adjusts the transformation of echo intensity into color signal.		

11 PW/CW Imaging Procedure

- 1. Select a high-quality image during B mode or B+ Color (Power) scanning, and adjust to place the area of interest in the center of the image.
- 2. Press



to enter sample line adjusting status,

To enter CW mode, click [CW] in the PW menu.

• The sampling status will be displayed in the image parameter area on the right part of the screen as follows:

PW Sampling Line	SV
Adjustment	Angle
	SVD
CW Sampling Line	Angle
Adjustment	SVD

- 3. Set the position of the sample line by moving the trackball left and right, and set the SVD by moving the trackball up and down, adjust the angle and SV size according to the actual situation.
- 4. Enter PW/CW mode, and perform the examination. You can also adjust the SV size, angle and depth in the real-time scanning.
- 5. Adjust the image parameters during PW/CW mode scanning to obtain optimized images.
- 6. Perform other operations (e.g. measurement and calculation) if necessary.

Items as SV, steer, Duplex, Triplex and HPRF, are not available in the CW mode.

12 Image Adjustment: PW/CW

Control Panel	Gain	Changes the PW/CW mode gain, by <gain itouch=""> knob.</gain>			
	Baseline	Accommodates flow with quicker or slower speed to eliminate alias, by <baseline> key</baseline>			
	Frequency	Changes probe frequency, by <focus freq.=""> knob.</focus>			
	PW Steer	Adjusts the SV steering angle of linear probe, by <steer> key.</steer>			
	Scale	Changes PRF to adjust the velocity display range by <scale> key.</scale>			
	Display Format	Sets the display format of PW mode image with B mode image.			
	Invert	Inverts the color bar so as to change the flow display manner.			
	Duplex/ Triplex	Sets if B (B+Color) image and PW image are displayed synchronously.			
	Angle	Adjusts the SV angle in increment of 1 degree.			
	Quick Angle	Quickly adjusts SV angle in increments of 60°.			
	Wall Filter	Filters out signals of low speed flow.			
	Tint Map	Turns on/off the colorize map function. Selects among available colorize maps.			
	Dynamic Range	Adjusts contrast resolution of an image, compresses or expands gray display range.			
Menu	Trace Area	Sets the trace area of the Doppler wave in the spectrum map.			
	Speed	Sets scanning speed.			
	SV	Adjusts the SV position and size of sampling in PW mode.			
	Gray Map	Selects among post processing map curves to optimize grayscale images.			
	T/F Res	Adjusts for a balance between time resolution and spatial resolution.			
	Auto Calc	Turns on/ off the auto spectrum calculation function.			
	Auto Calc Para	Sets the parameters need to be auto calculated.			
	HPRF	Turns on/off the HPRF function.			
	Auto Calc cycle	Set the number of heart cycle for auto calculation.			
	Audio	Adjust the volume.			

13 TDI (Tissue Doppler Imaging)

TDI Exam Protocol

■ Enter TDI

- Click [TDI] on the menu or press user-defined key for TDI to enter the corresponding TDI mode:
 - ➤ In B or B+Color mode, enter TVI mode.
 - ➤ In Power mode, enter TEI mode.
 - ➤ In PW mode, enter TVD mode.
 - ➤ In M mode, enter TVM mode.
- Switching among the TDI modes

In TDI mode, press







or click [Power Mode] on

the menu to switch among the modes.

■ Exit TDI

- Press the user-defined key to exit from TDI mode and enter general imaging modes
- Or, press on the control panel to return to B mode.

Parameters in TDI modes are similar to those in M, Color, Power, PW modes; refer to relevant chapters for detailed operation.

14 Anatomical M Imaging

Shortcut key setting

You can preset a user-defined key for entering Free Xros M mode: [Setup] (F7) - > [System Preset] -> [Key Config].

Enter Free Xros M

1. In real-time B mode or M mode, adjust the probe and image to obtain the desired plane.

Or select the B mode cine file to be observed.

- Click [Free Xros M] on the menu or press user-defined key to enter Free Xros M Mode.
- 3. Adjust the sampling line to obtain optimized images and necessary information.
- In Dual-split or Quad-split mode, it is the current activated window that enters the Free Xros M Mode.
- Parameters consistent with those in M mode are not to be introduced, while special items of the Free Xros M mode will be introduced here.

Adjustment of the M-mark Line

Position Adjustment

When the M-mark line is activated, move the trackball left and right to adjust the position. The direction is recognized by the arrow at the end of the line.

Angle Adjustment

When the M-mark line is activated, move the trackball to adjust the fulcrum of the line, and adjust through the [Angle] on the menu.

The adjusting angle range is 0-360, in increments of 1.

- Exit Free Xros M
 - In Free Xros M mode, click [Free Xros M] or the user-defined Free Xros M key to exit Free Xros M mode.
 - Press to enter B real-time directly.

15 iScape

■ Shortcut key setting

You can preset a user-defined key for entering iScape mode: [Setup] (F7) -> [System Preset] -> [Key Config].

Basic Procedures for iScape

- 1. Connect an appropriate iScape-compatible probe. Make sure that there is enough coupling gel along the scan path.
- 2. Enter iScape:
 - Click the [iScape] item on the image menu or press the user-defined key of iScape on the control panel.
- 3. Optimize the B mode image:

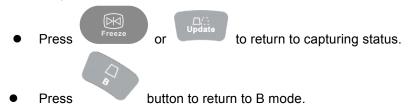
In the acquisition preparation status, click the menu title to enter the B mode image optimization.

4. Image acquisition:

Click [iScape] menu title to enter the iScape acquisition preparation status. Click [Start Capture] or press on the control panel to begin the acquisition.

The system enters into image viewing status when the acquisition is completed. You can perform operations like parameter adjusting.

5. Exit iScape:



16 Image Display & Magnification

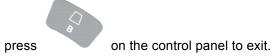
Splitting Display

The system supports Dual-split and Quad-split. However, only one window is active.

and use key to switch between the two images; press the control panel to exit.

on

 Quad-split: press user-defined key for Quad imaging to enter the quad-split mode, and using the key to switch between the two images;



- iZoom (Full-screen Zooming) According to the region to be zoomed, the system supports two types of full-screen zooming:
 - Zoom in the standard area to full-screen, including image area, parameter area, image banner, thumbnail area and so on.
 - Zoom in the image area only to full-screen.
- 1. Set a user-defined key for iZoom function.
- Open the image (or the under scanning image), press the user-defined iZoom key once to zoom in the standard image area; and then press the key again to zoom in the image area only.
- Press the same key again to exit.

- Spot zoom
- 1. Enter zoom:

In real-time image scanning, press open knob on the control panel to light the Zoom indicator.

2. Adjust ROI:

O Zoom

Roll the trackball to change the box size and position, press



between setting the size and position. And after sample volume is set, press

Openth key again to enter spot zoom status.

3. Exit:

■ Pan Zoom

Procedures:

1. Enter Zoom:

Freeze the image, press knob on the control panel to light the Zoom indicator. Image-in-image is displayed.

- 2. Rotate Pepth knob to change the magnification factor.
- 3. Exit:



• Unfreeze the image, the system exit pan zooming status automatically.

17 Cine Review

The system supports manual review as well as automatic review.

1. Press to freeze the image, and enters manual-review automatically.

- 2. Rotate the trackball to adjust.
- 3. Click [Auto Play] in the menu.
- 4. Rotate the trackball to enter manual-review.
- 5. Press \bigcap_{cine} or \bigcap_{Esc} on the keyboard to exit.

Setting Region of Cine Review

You can set a segment of cine loop which can be reviewed automatically. After the system enters the cine review status, perform the following procedures to set the region.

- 1. Manually review the images until the frame which you want to set it as start point, and click [Set First Frame] in the menu to set the start position.
- 2. Manually review the images until the frame which you want to set it as end point, and click [Set End Frame] in the menu to set the end position.
- 3. Click [Auto Play] to enter auto-review.

18 Image Storage, Review and Analysis

Storage

- 1. Press the user-defined save key to save a single-frame image to the database of the system.
- 2. Press the user-defined save key to save a full-screen image to the database of the system.
- 3. Press to freeze the image and press the user-defined key to save cine file to database on the local system.
- 4. To save the stored files of the system to another memory or in another format: click the button below the thumbnail area, or click Backup Exam or Send Exam on the iStation screen or Review screen.

Review

You can review all images stored in an exam, and send, delete or analyze the stored images.

- 1. After the images of the current exam are stored, the thumbnails of the images are displayed, and you can review them through the thumbnails.
- 2. Press Review to enter the Review status; or,
- Select an exam of an animal in the iStation screen, and click Review Image
 to enter to review the images of the animal.

Analysis

For the image analysis, you can view, zoom, perform post processing and measurements, add comments and perform cine (multi-frame) review for a stored image.

- 1. In the image scanning or freeze status, double-click a thumbnail stored in this exam to enter the image analysis status; or
- 2. In the Review status, double-click a thumbnail to open the image.
- 3. Press to exit the image analysis.

19 Comments and Body Marks

To add a comment:

- 1. Enter comment status:
- 2. Press (ABC comment); or,

Press any alphanumeric key to enter the comment status, and the corresponding letter or numeral is displayed besides the cursor; Or,

Press Arrow to enter the arrow-adding status.

- 3. Set the comment adding position.
- Add comment to the image. Here, you can modify, move or delete a completed comment.
- 5. Exit comment.
 - In the comment status, press (ABC Comment); O
 - In the arrow-adding status, press Arrow; Or
 - Press or other operating mode keys to exit.

Add Body Marks

- 1. Press (Sody Mark) to enter the body mark selection status.
- 2. Move the cursor onto the desired body mark to highlight your choice, press



to add the body mark.

- To adjust the probe position and orientation marker: Roll the trackball to place the probe marker in the correct position; Rotate the multifunctional knob to adjust the orientation;
- 4. Press to confirm the position and orientation of the probe marker and exit the body mark mode.

NOTE: When no object is selected, pressing the clear all comments and all measurements calipers.

20 Measurement

You can perform measurements on a zoomed image, cine reviewing image, or a frozen image. There are general and application measurements.

- General Measurements
- 1. Press to enter the general measurement.
- 2. Move the cursor on the measurement menu, press to active an item.
- 3. Move the cursor to the position you want to measure and press key to fix the caliper. You can press clear to cancel the last operation.
- Application measurement
- 1. Press to enter application measurement.
- 2. Move the cursor on the measurement menu, press to active an item.
- 3. Move the cursor to the position you want to measure and press key to fix the caliper. You can press to cancel the last operation.
- 4. Help information is displayed in the bottom of the screen.

21 Report & Print

Report

Viewing Report

Press to enter the report screen.

- Editing Report
 - Editing measurement data: move the cursor to the measurement text box and



- Adding/ Removing images: click [Image Select] in the report page to pop the image operation screen.
- Analyzing report data: click [Analyze] to analyze the items by preset.
- To clear all data except the animal information in the report dialog box, select [Clear All].
- Entering Ultrasound Remarks
- Export report: click [Export] to export the report in RTF or PDF format.
- Exiting Report
 - Press Press or click [OK] to confirm the modification and exit.
 - Press or click [Cancel] in the screen to exit.

Print

Report print

In Report screen, click [Print] or press the user-defined key for report print.

- Image print
 - Select the image to be printed on the iStation or Review screen, and click
 (Send to) to select the printer to print.
 - Select the image in the thumbnail area, click and select the target printer to print.

22 Setup

- To change the factory default settings, perform setup operations.
- 1. Press to enter the setup screen, click the item to enter the corresponding screen:
 - [System Preset]: to preset settings for general information and functions.
 - [Exam Preset]: to preset exam modes for probes.
 - [Measure Preset]: to preset measurement properties.
 - [Print Preset]: to preset print service and driver settings.
 - [Network Preset] & [DICOM Preset]: to preset network property and DICOM settings.
- 2. Set the item value
 - Click [Save] to confirm, or
 - Click [Cancel] to cancel the settings.

P/N: 046-002191-00(V1.0)