Consona N9/Consona N9 Pro/Consona N9 Super/Consona N9P/Consona Nova/ Consona N9S/Consona N9T/Consona NI/ Consona NT/Consona NF/Consona NX/ Consona N9K/Consona N9Q/Consona N9V/Nuewa N9/Nuewa N9 Pro/Nuewa N9 Exp/Nuewa N9 Elite/Recho N9/Recho N9 Pro/Recho N9 Exp/Recho N9 Elite/ Consona N9 Exp/Consona N9 Elite/ Consona N9 Ultra/Consona N9 Plus/ Resona N9/Resona N9 Pro/Resona N9 Exp/Resona N9 Elite

Diagnostic Ultrasound System

Operator's Manual

[Basic Volume]

Acoustic Power (A.Power)

Refers to the power of ultrasonic wave transmitted by the probe, the real-time value of which is displayed in the upper left corner of the screen.

NOTE:

You should perform exams according to actual situation and follow the ALARA Principle.

Scan range and FOV position

More information can be obtained without moving the probe or changing the sampling position.

NOTE:

- • The FOV position/range is available only for the convex and phased probes.
- • When the scan range is adjusted to the widest, the FOV position cannot be changed.
- • You can get a much larger field of view when selecting a larger FOV, but the frame rate will decrease.

B Steer

To steer the beam the probe transmits.

TIP:

Steer is available only for linear probes.

Line Density

The function determines the quality and information of the image.

The higher the line density is, the higher the resolution becomes.

Dynamic Range (Dyn Ra.)

Adjusts contrast resolution of an image, compresses or expands gray display range.

The real-time dynamic range value is displayed on the image parameter area.

The more the dynamic range, the more specified the information, and the lower the contrast with more noise.

Smooth

This feature is used to reject the noise and smooth the image.

The bigger the value is, the higher the smooth becomes.

iClear

The function is used to enhance the image profile so as to distinguish the image boundary for optimization.

"Off" represents iClear is disabled, and the bigger the value is the stronger the effect becomes.

Persistence

Used to superimpose and average adjacent B images, so as to optimize the image and remove noises.

Persistence can remove image noise to make image clearer.

Persistence increase may lead to signal missing.

Rotation/Flip

This function provides a better observation for image display.

- Invert: To invert the image horizontally or vertically.

    Tap [U/D] or [L/R] on the touch screen to adjust the parameters.

- Rotation: Image can be rotated by the manners in angle of 0°, 90°, 180°, 270°.

The "M" mark indicates the orientation of the image; the M mark is located on the top of the imaging area by default.

iBeam

This function is used to superimpose and average images of different steer angles to obtain image optimization.

iBeam is disabled when it is off.

TIP:

The phased probe does not support iBeam. iBeam is unavailable when ExFov is enabled.

Auto Merge

In the Dual-split mode, when the images of the two windows have the same probe type, depth, invert status, rotation status and magnification factor, the system will merge the two images so as to extend the field of vision.

TIP:

Only for linear probes.

Gray Map

Adjusting grayscale contras to optimize the image.

Tint Map

This function provides an imaging process based on color difference rather than gray distinction.

TSI

The TSI function is used to optimize the image by selecting acoustic speed according to tissue characteristics.

HDScope

The image inside the ROI is clearer than these outside when the function is enabled.

- When the ROI box is solid line, roll the trackball to change its position.
- When the ROI box is dotted line, roll the trackball to change the size.
- Press <Set> to switch between the solid line and the dotted line status.

Off represents the disable. The larger the value is, the clearer the image becomes.

TIP:

The function is disabled in frozen state.

iTouch[+]

To optimize image parameters as per the current tissue characteristics for a better image effect.

It is available for all real-time imaging in B mode.