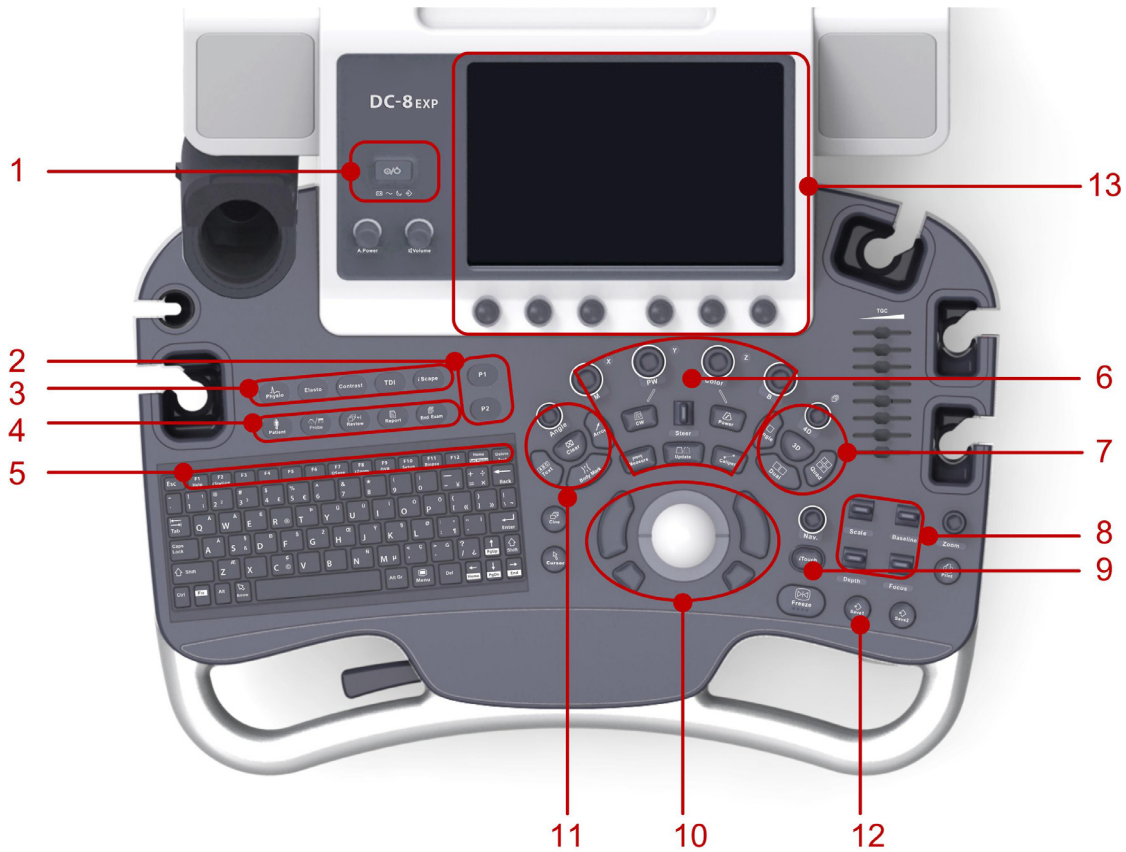


DC-8 EXP Quick Guide



1. Power on

2. P1,P2: User-defined key

3. Advanced function key

Elasto
iScape
TDI
Contrast

4. Exam procedure

Patient: Patient information
Probe: Probe select
End Exam: End exam & start a new patient

5. Function key on the key board (F1-F12)

iStation: Patient management
iZoom: Image enlargement

6. Imaging Mode & Measurement

Update: Initiate or Refresh M/PW/CW image; Start/Stop image acquisition in iScape or 3D/4D mode.

7. 3D/4D: Enter/Exit 3D/4D

8. Parameter adjustment

Depth: Depth adjustment in real-time imaging
Zoom: Rotate to enter pan zoom; Press to enter spot zoom.
Scale
Baseline
Focus: Change the focus position.

9. Optimize the image

iTouch: Auto optimization for B/Color/PW



Multi-functional knob

10. Control center

Trackball & Set button (The left/right kidney shaped key)



The left& right bottom small key : Set up beginning and ending frame in cine loop.

11. Annotation

Body mark
Text
Clear
Arrow

12. Save image

Save 1; Save 2

13. Touch screen & Parameter knobs

1. Getting Started

New Patient

1. Press **[Patient]**, fill in the basic patient information via Touch screen or Keyboard.
2. Press **[Probe]**, select probe and exam mode via Touch screen.

2. Scanning

B/M Mode

1. Adjust the interested parameters via Touch screen.
2. Rotate the **[B]/ [M]** knob to adjust the gains.

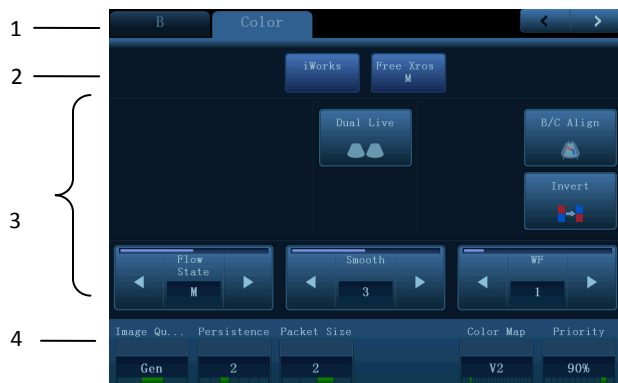
CDFI/Power Mode

1. Press **[Color]/ [Power]** to enter Color/Power mode.
2. Move **[Trackball]** to change the position of ROI.
3. Press **[Set]** (No.10 button), and then move **[Trackball]** to change the size of ROI, press **[Set]**.

PW/CW Mode

1. Press **[PW]/ [CW]** to enter PW/CW mode.
2. Move **[Trackball]** to change the position of sample volume.
3. Change the size and angle of sample volume via Touch screen or its relative knob. Press **[Update]** or **[PW]/ [CW]** to get the Pulse Wave Doppler.

Image Adjustment



1. Mode displaying areas: switches the active imaging mode.
2. Special modes available under current condition.
3. Parameter adjusting areas: Displays parameters in the current imaging mode.
4. Knob adjusting areas: Parameters displayed on the bottom of Touch screen can be adjusted by the knobs under the Touch screen. Press **[B]** knob to return to B mode.

Parameters in B mode: Depth, TGC, Gain, iTouch, Focus Position, Steer, Image Quality, Tint Map, U/D (L/R) Flip, Rotation, FOV, ExFOV, Image Merge, Dynamic Range, Gray Map, Line Density, Focus Number, iClear, TSI, Persistence, iBeam, HScale, Dual Live, LGC, A. power.

Parameters in Color mode: Gain, Depth, iTouch, Steer, Scale, Baseline, Invert, B/C Align, Dual Live, Image Quality, Flow State, Priority, Packet Size, Color Map, Wall Filter, Line Density, Smooth, Persistence, Velocity Tag.

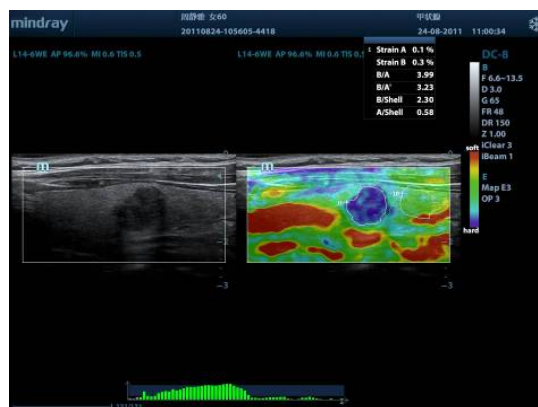
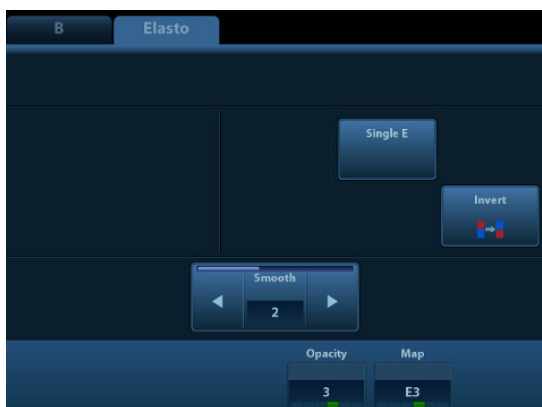
Parameters might be displayed on different pages.

Special Imaging Mode (Optional)

Elastography

1. Select the exam mode (general application for Breast or Thyroid) via Touch screen with any linear probe.
2. Press **[Elasto]** on the control panel to activate the function and press the probe on the target organ.

[Note]: There is a pressure indicator on the bottom of the screen, make sure the pressure you applied is appropriate so that the pressure bar is indicated in green; otherwise the pressure bar is indicated in gray.



Tissue Doppler Imaging

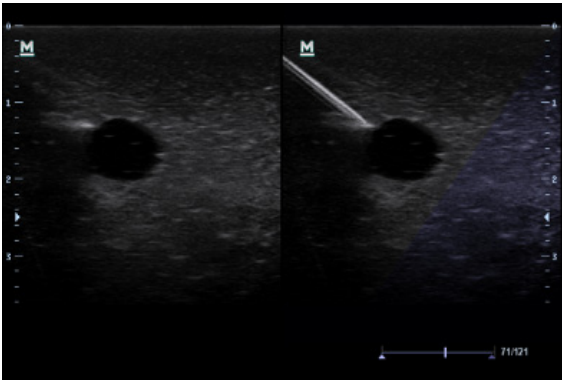
1. Press **[TDI]** to enter the corresponding TVI mode, parameters will be displayed on the Touch screen.
2. Press **[M]** button to enter TVM mode; press **[PW]** button to enter TVD mode; press **[Power]** to enter TEI mode.



iNeedle

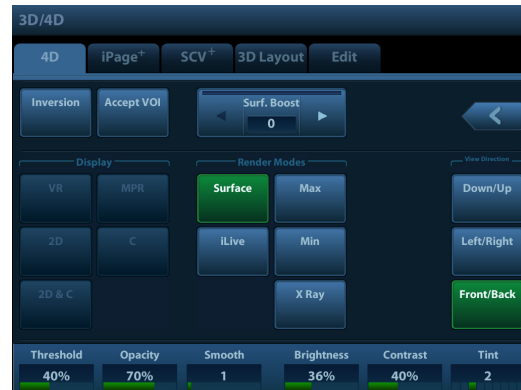
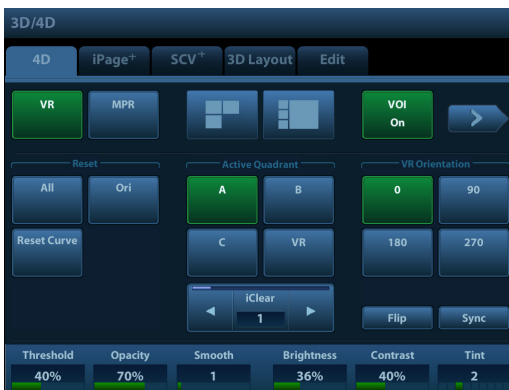
One button to show automatically the needle more clear with beam steer during the biopsy process.

1. Press **[iNeedle]** to enter the function mode via Touch screen, parameters will be displayed on the Touch screen.
2. Press **[B/iNeedle]** to switch B+iNeedle image or only iNeedle image displayed.
3. Press **[Needle Steer]** to adjust steer angle.



3D/ 4D

1. Press **[Probe]**, select the volume probe and the exam mode via Touch screen.
2. Press **[3D]/ [4D]** to enter and adjust the ROI and curved VOI.
3. Press **[Update]** to enter the 4D image real-time status.
4. Rotate X/Y/Z knobs to adjust the axis of 3D/4D image.
5. Adjust rendering method/ layout/ parameters via Touch screen.



Free Xros M

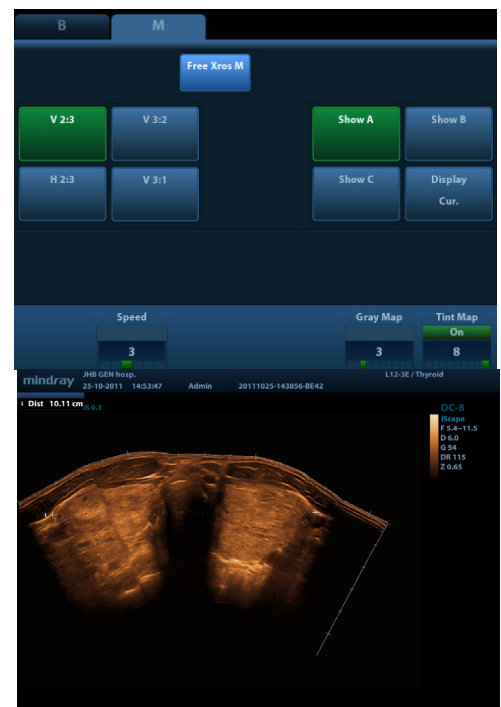
1. In real-time B mode or M mode, adjust the probe and image to obtain the desired plane, or select the B mode cine file to observe.
2. Click **[Free Xros M]** on the Touch screen to enter Free Xros M Mode.
3. Adjust the sampling line to obtain optimized images and necessary information.
4. Move the **[Trackball]** to change the sample line position and rotate the **[Nav.]** Knob to change the angle. Shift the different line with **[Set]** button.

iScape

1. Connect an appropriate iScape-compatible probe.
2. Press **[iScape]** to enter iScape mode.
3. Click **[Start Capture]** on **[iScape]** page tab on Touch screen or press **[Update]** on the control panel to begin the capture.
4. Click **[Stop Capture]** on **[iScape]** page tab on Touch screen or press **[Update]** on the control panel to stop.

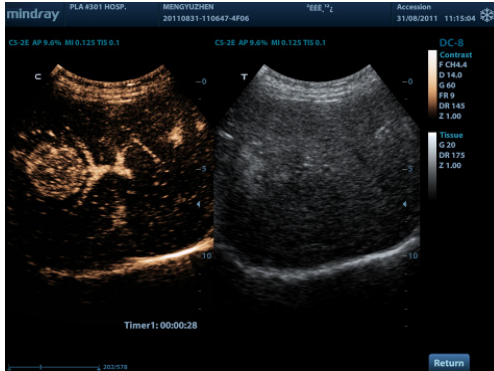
Contrast Imaging (Not available in FDA and Canada region)

1. Select an appropriate probe, and perform 2D imaging to obtain the target



image, and then fix the probe.

2. Press **[Contrast]** button on the control panel to enter the contrast imaging mode.
3. Inject the contrast agent, and set **[Timer 1]** to start the contrast timing. When the timer begins to work, the time will be displayed on the screen.
4. Observe the image, using the Touch screen button of **[Pro Capture]** and **[Retro Capture]** or the user-defined key (usually **[Save1]** and **[Save2]**) to save the images.
5. Press **[Freeze]** to end the live capture.



3. Measurement

1. Press **[Measure]** to enter the application measurement status.
2. Press **[Caliper]** to enter general measurement.
3. Move the cursor or via Touch screen to choose the measurement tool, and then go to the desired position to measure.

4. Post Scanning

Comments and Body Marks

Comment

Input words directly.

Or press **[Text]** to change the comment setting position and add the comment to the image.

Body Mark

1. Press **[Body Mark]** and choose the desired one via Touch screen.
2. Move **[Trackball]** to place the probe marker and rotate the **[Multi-functional Knob]** to adjust the orientation of the probe.

Save Images or Cine

1. Press **[Save1]** or **[Save2]** to save a single-frame image or cine to the system.

Report and Print

1. Press **[Report]**, move the cursor to the comment text box and type the text.
2. Click **[Image Select]** on the **[Report]** page to add images, and then click **[Print View]** to preview, click **[Print]** to print.

End Exam

Press **[End Exam]** to end one examination. You may start a new exam by repeating the instructions above.

5. Image Management

Image Transfer

1. Press **[iStation]** to enter image management and select the image to send to USB or DICOM, etc.
2. Or, Press **[Review]** and select the image to send to USB or DICOM, etc.

Note: For detailed information, please refer to the operator's manual.



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