ACUSON Juniper Ultrasound System

System Overview
2.5 Software Release

Objectives

- Review external features
- Explain Control Panel and Touch Screen
- Discuss transducers and care of the system

System overview

21.5" LED display

13.3" tiltable Touch Screen

Adjustable Control Panel

Six transducer ports

Storage (both sides)

Easy wheeling castors

Battery (optional)

System weight:
167.5 pounds (76 kilograms)

Monitor

Enhanced 21.5" LED LCD with lower black levels

Easy monitor adjustment with palm curve on front and grip on back

Three step task light brightness adjustment

Monitor brightness control

Touch Screen

Customizable 13.3"
Touch Screen

Touch Screen
brightness control

Two USB ports

20° tilting
adjustment

Gel warmer, speakers and transducer holders

Gel Warmer

- Standard
- Adjustable temperature
- Configurable
- Optional large gel bottle holder

Speakers

- High-quality speakers
- Left and right of Touch Screen

Transducer Holders

- Six holders – 4 short and 2 long
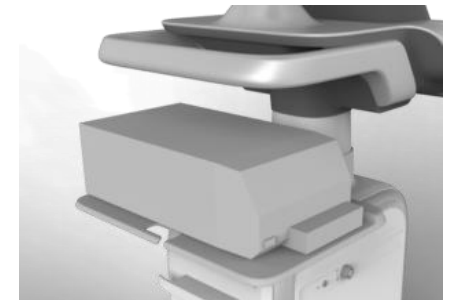- Configurable
- Easy to clean

DVD / Physio
- System without DVD / physio (left)
- System with DVD / physio (right)

B / W printer
- System without printer (left)
- System with printer (right)

Color printer
- System without printer (left)
- System with printer (right)

Foot switch (optional)

- Ideal for interventional cases
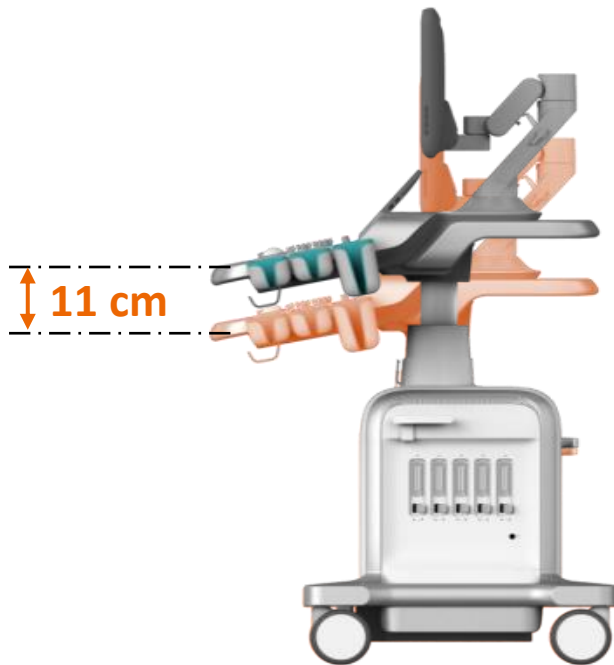- Dual configurable functions
- USB connection

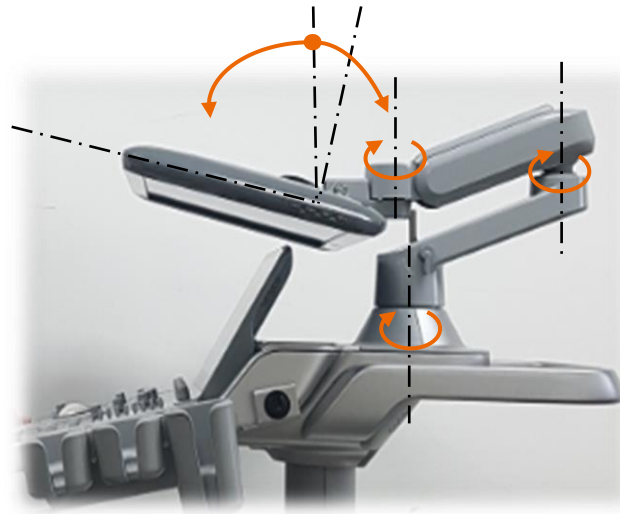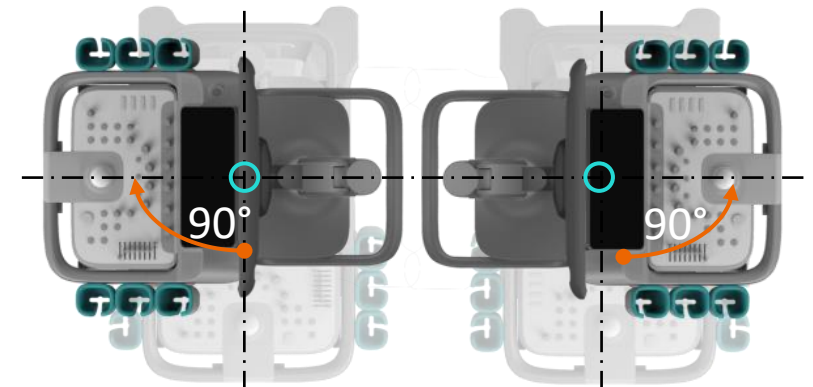# Storage

Rear basket

Below transducer ports

Magnetic side basket

Behind Touch Screen

Articulation

11 cm

Control Panel height
adjustment

Monitor
adjustment

90°   90°

Control Panel swivel
adjustment

Transducer ports

Six transducer ports

- Five standard transducer ports
- One transducer port for continuous wave (pencil) transducers

Cable management

Flexible cable management

- Two cable clips located above transducer ports
- Two cable hangers located on Control Panel

Connecting the transducers

1. Ensure lever lock is in left, unlocked position
2. Align connector and press into transducer port
3. Place lever into right, locked position

Back of system

Power cord hanger

Input connections

Main power supply

System casters
Lock / steer / swivel functionality

Front wheels

Rear wheels

Control Panel protective overlay (optional)

A protective overlay system is available for the system
Control Panel

- Large overlay for Control Panel
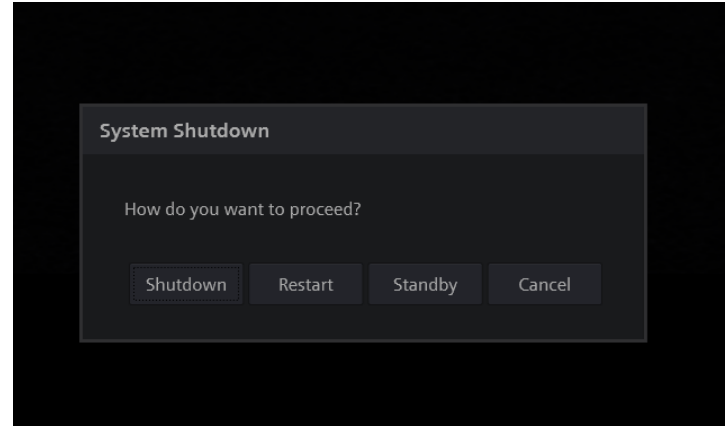- Smaller overlays for individual controls
- Disposable

Objectives

- Review external features
- Explain Control Panel and Touch Screen
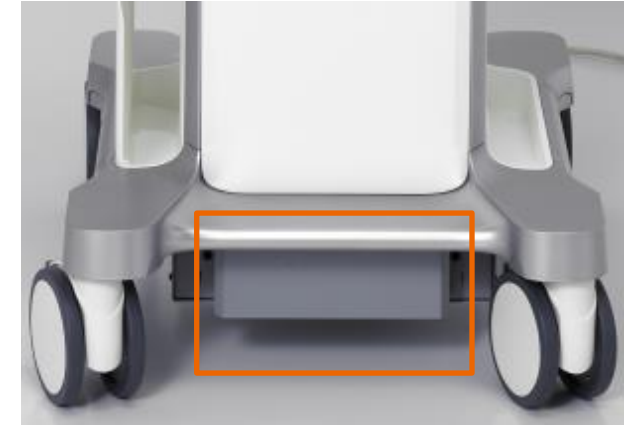- Discuss transducers and care of the system

Power on, QuikStart standby mode and Battery
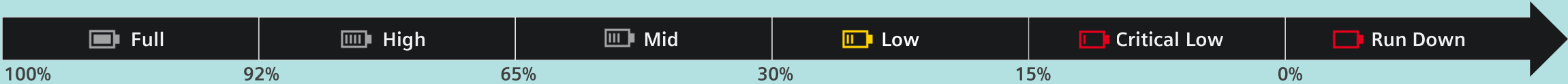
Power On / Off

QuikStart standby mode

Battery (Optional) -
under front of system

Battery Support
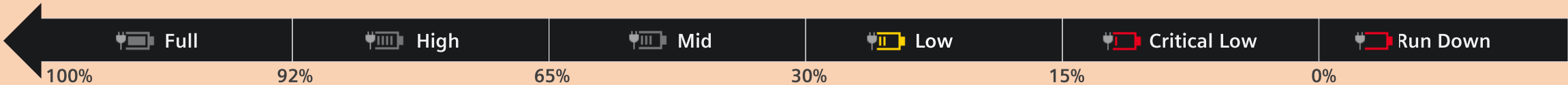
- Battery support indicator

Battery Indicators

Battery indicators will show the current battery status and if the system is plugged in or not with a plug icon

System is **Unplugged**

Full	High	Mid	Low	Critical Low	Run Down
100%	92%	65%	30%	15%	0%

System is **Plugged in**

Full	High	Mid	Low	Critical Low	Run Down
100%	92%	65%	30%	15%	0%

Battery Standby and Restart

Standby: In Battery mode, Standby is allowed depending on the battery capacity

| 🔋 Full	🔋 High	🔋 Mid	🔋 Low	🔋 Critical Low
✅ **Standby** When the battery level is Mid or above Mid, it's possible to run the Standby mode			❌ **Standby** When the battery level is Low or Critical Low, the system will not allow the Standby mode. In this case, click the **Standby** button and an information dialog will be provided, *"The battery is low to support standby."*	

Restart: Restart is not allowed when system is unplugged

🔋 Full	🔋 High	🔋 Mid	🔋 Low	🔋 Critical Low
		❌ **Restart** Restart is only allowed once AC power is connected to the system. Therefore, click the R**estart** button, and an information dialog will be provided, *"Connect the AC power and then restart the system."*		

Control Panel

Workflow controls

Doppler controls

Three User-defined controls

Text and Body Marker

Pointer

Soft Keys

Major Modes

DCG Controls eSieImage

Depth / Focus

Dual / Zoom

Print and Clip Store
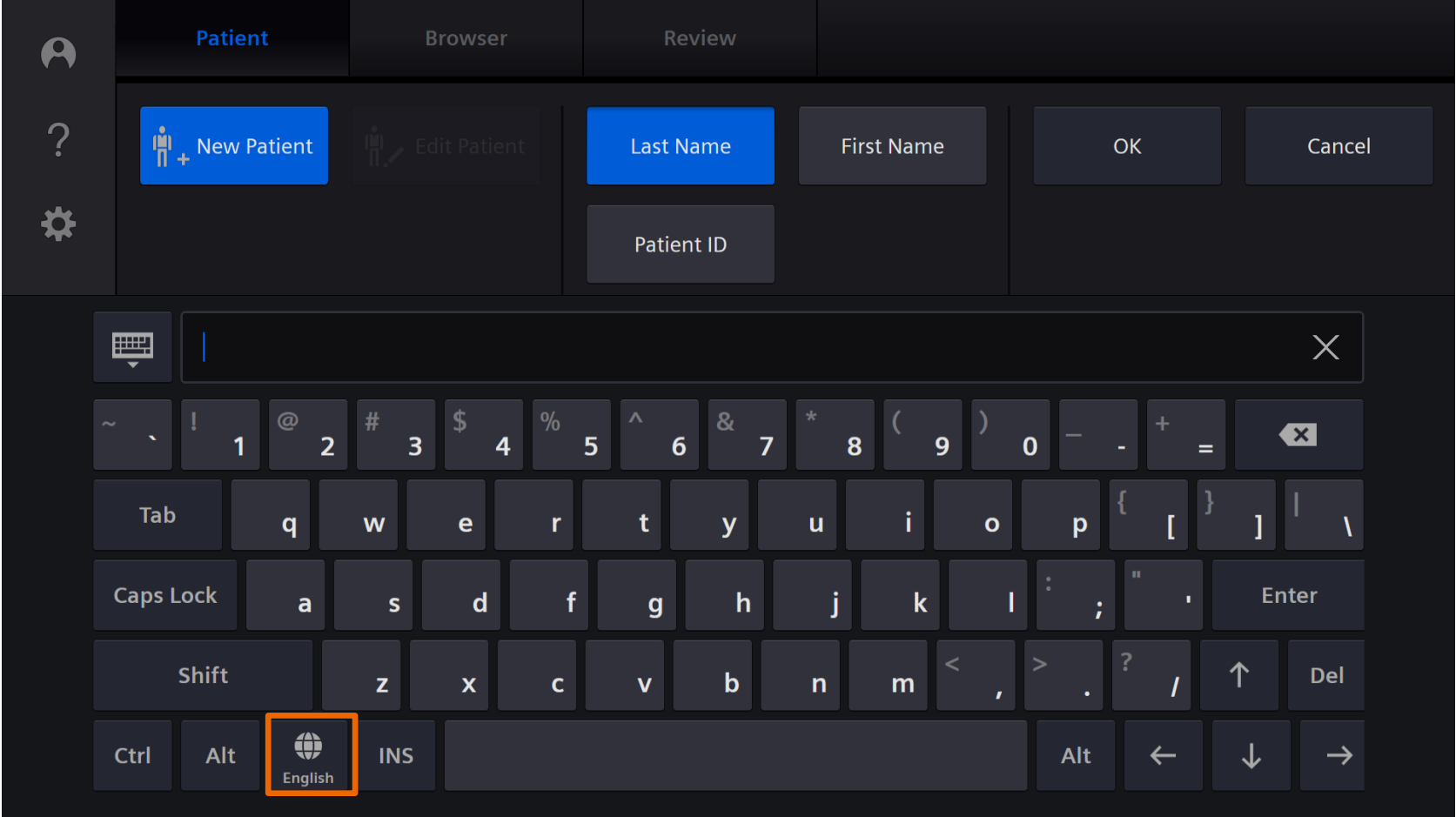
Caliper

Freeze Key
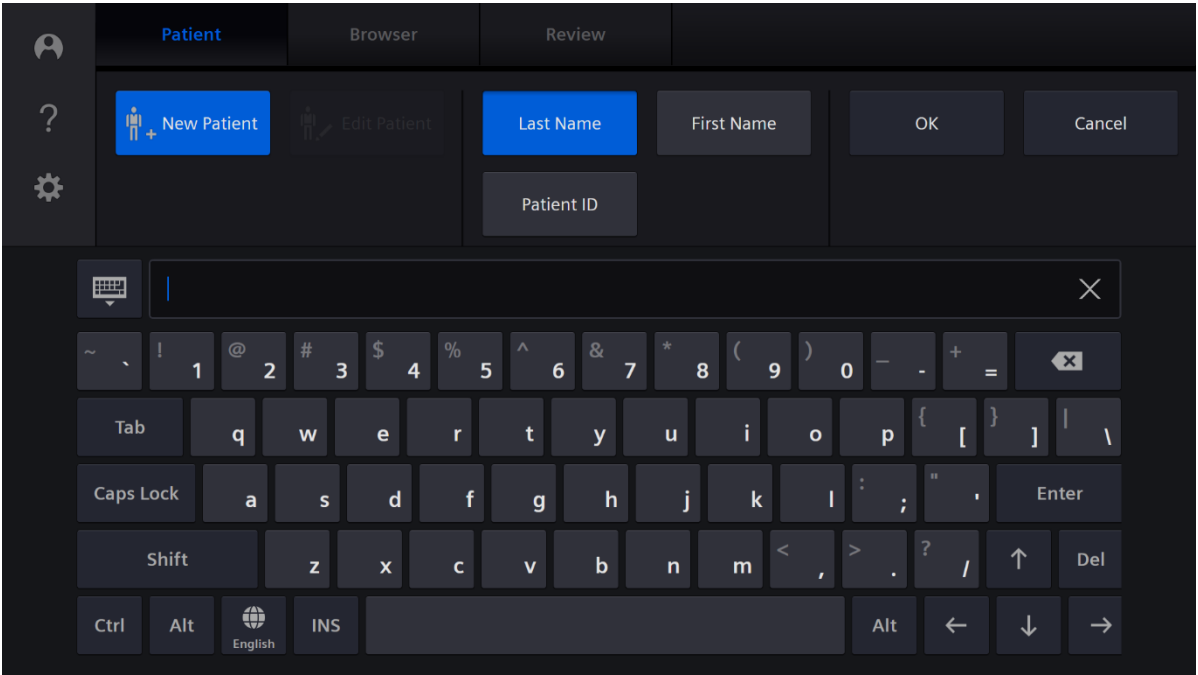
Keyboard

Virtual keyboard

Pull-out keyboard (optional)

Language and special character key
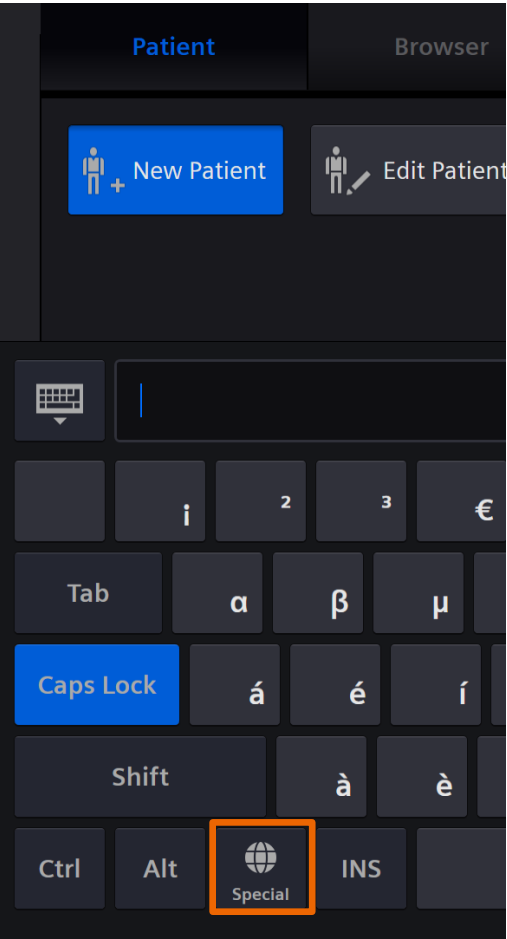
Screen saver

Image Screen

Patient Banner

Imaging Parameters

User-defined key assignments

Thumbnails

Thumbnail controls

Home Base

Image size

Extensive View

Normal View   Extensive View   Full View
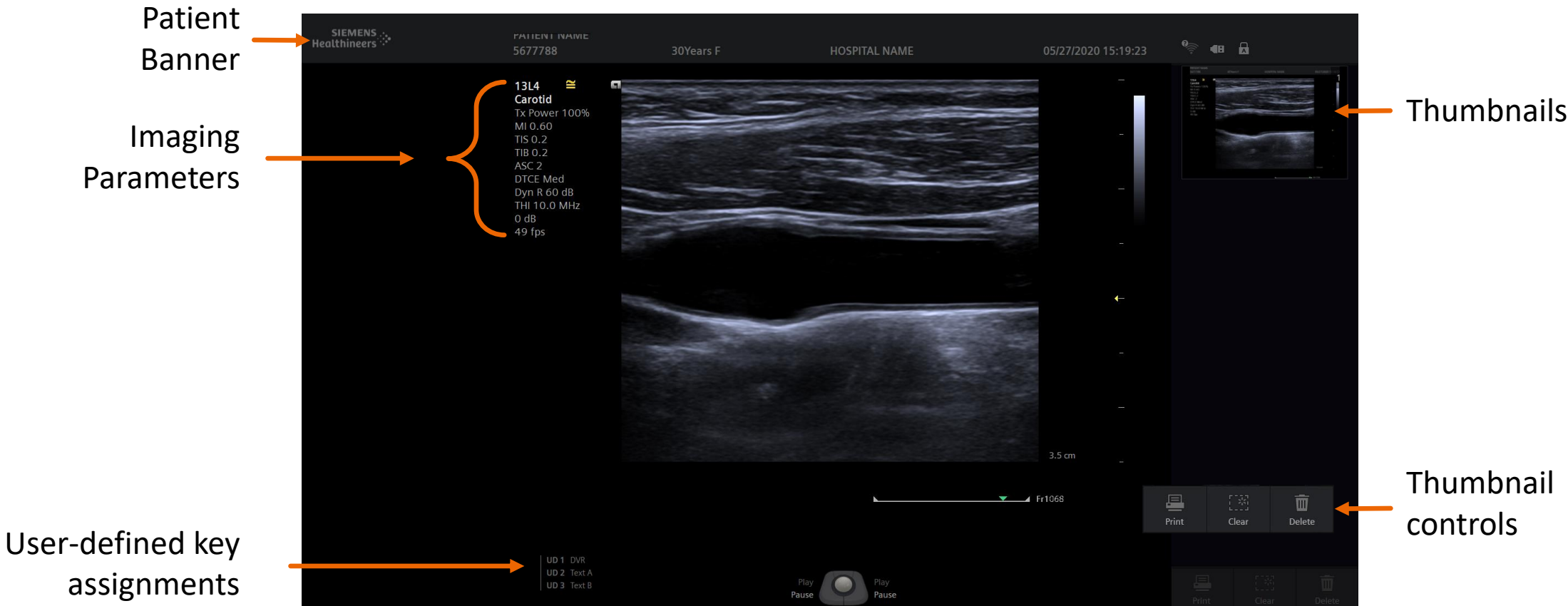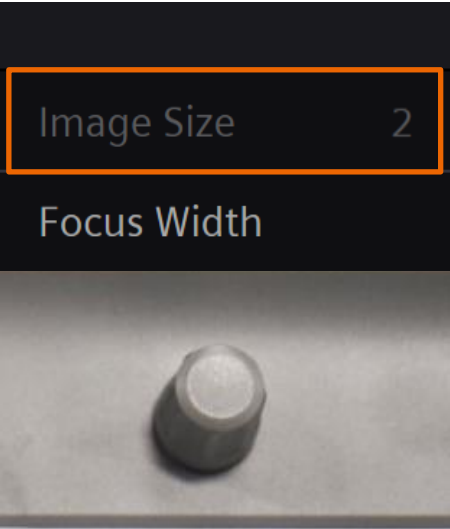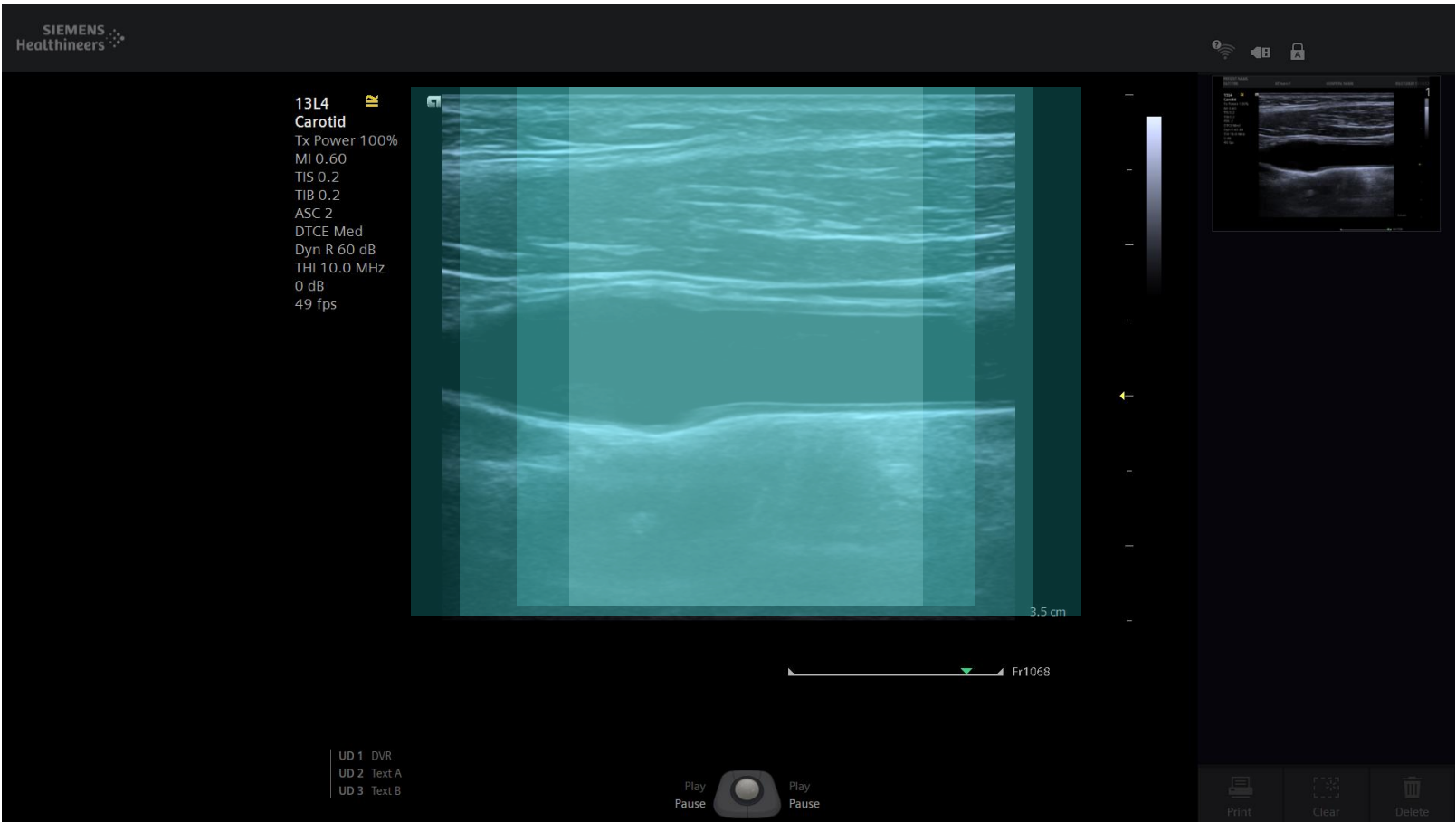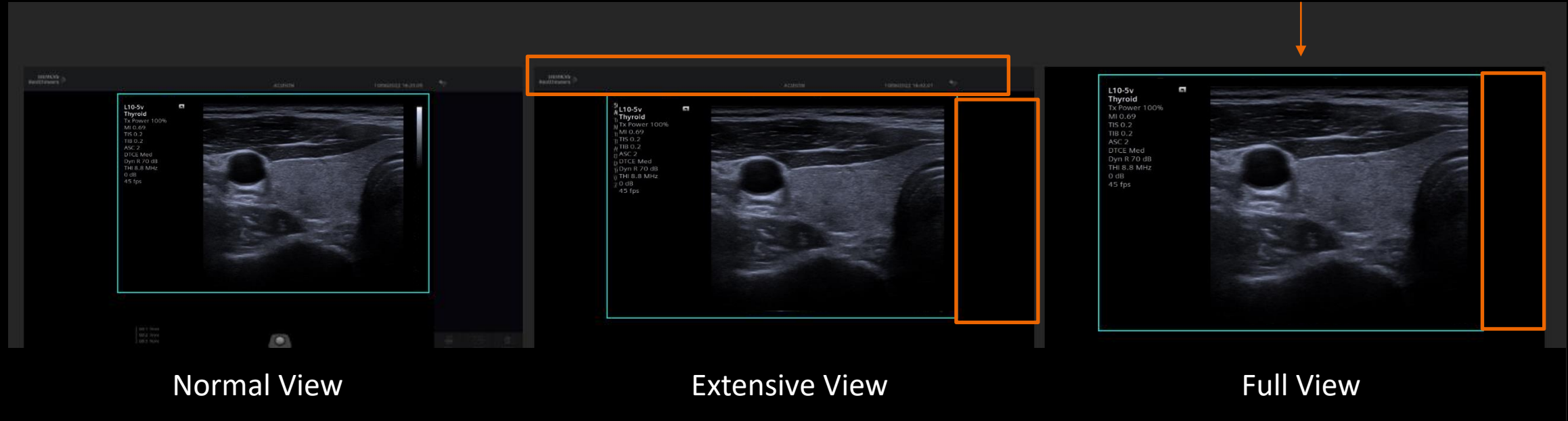
Extensive View	Full View
• Captures Patient Information and Banner	• Does Not Capture Patient Information and Banner
• Hides Thumbnails	• Hides Thumbnails
• Hides Trackball legend	• Hides Trackball legend

Extensive View
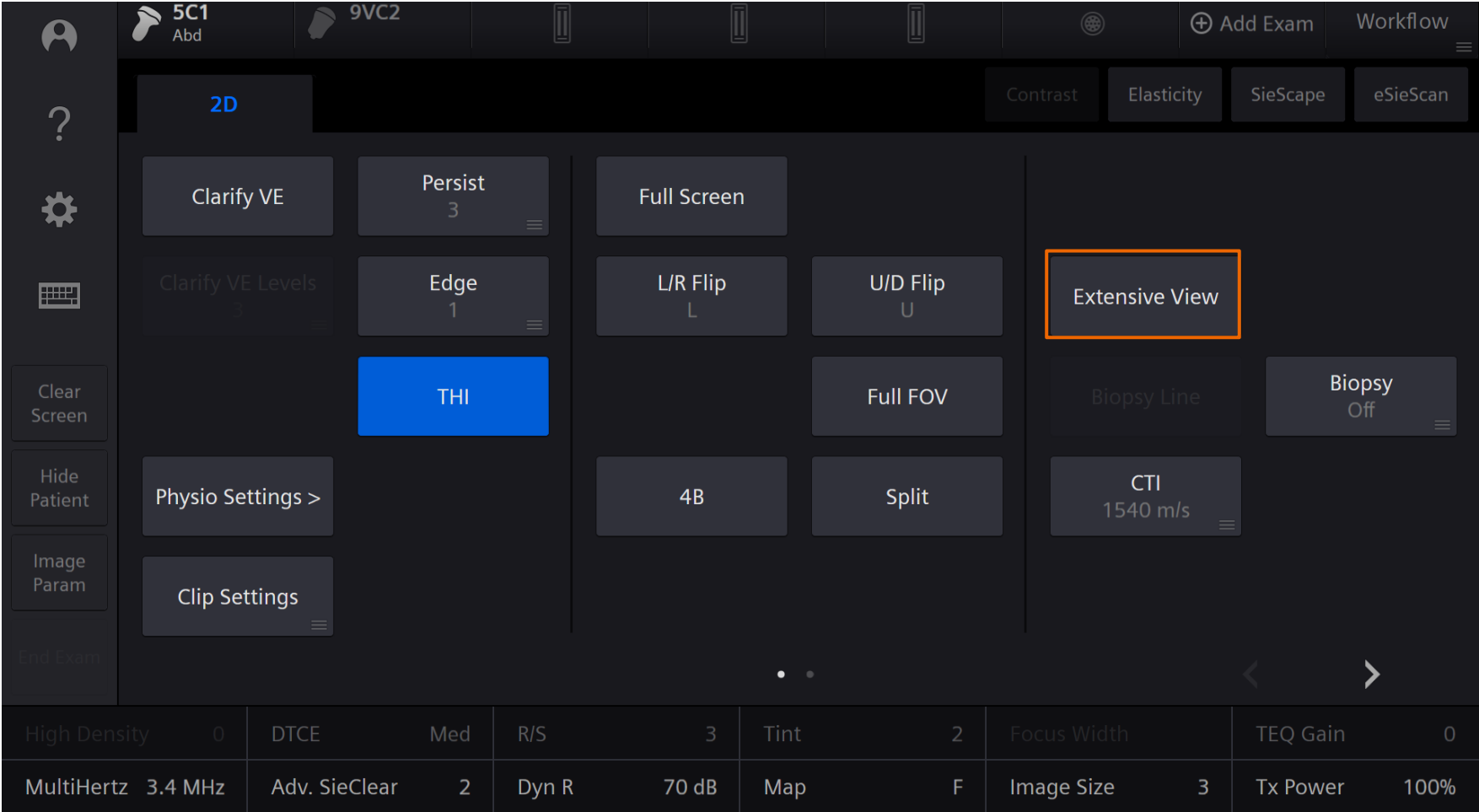
Exam Touch Screen
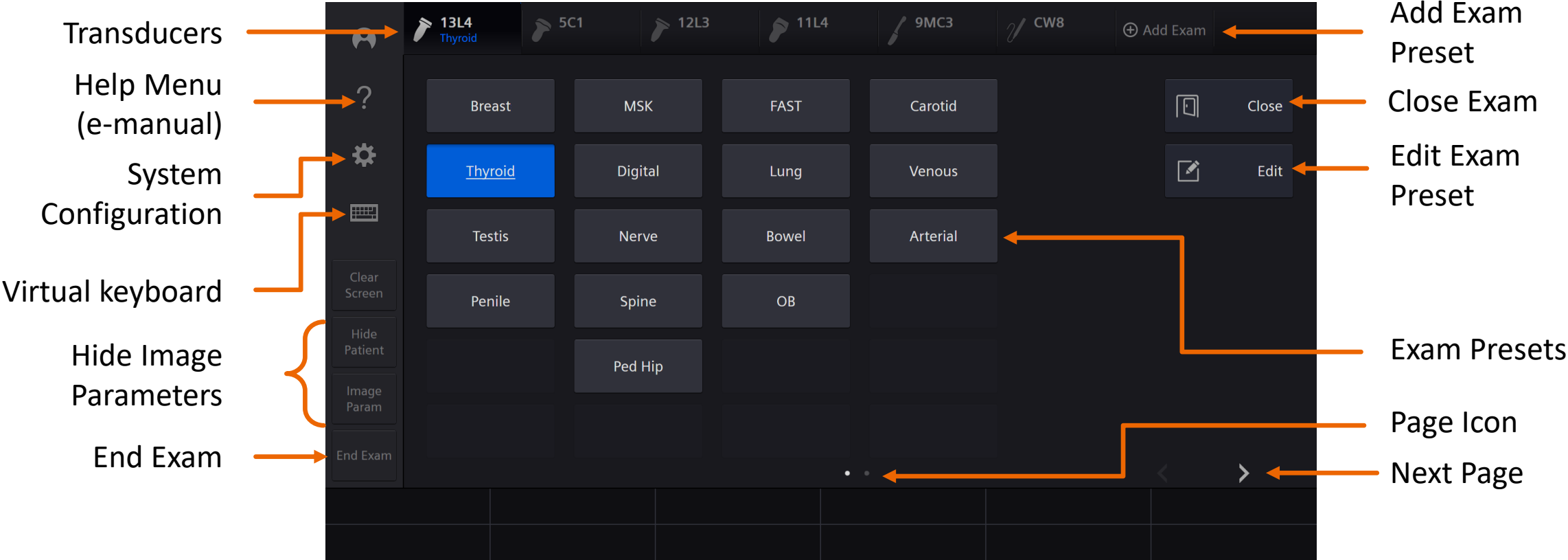
Transducers

Help Menu
(e-manual)

System
Configuration

Virtual keyboard

Hide Image
Parameters

End Exam

| 13L4 Thyroid | 5C1 | 12L3 | 11L4 | 9MC3 | CW8 | ⊕ Add Exam |

Breast	MSK	FAST	Carotid
Thyroid	Digital	Lung	Venous
Testis	Nerve	Bowel	Arterial
Penile	Spine	OB	
	Ped Hip		

Clear Screen

Hide Patient

Image Param

End Exam

Close

Edit

Add Exam
Preset

Close Exam

Edit Exam
Preset

Exam Presets

Page Icon

Next Page

Objectives

- Review external features
- Explain Control Panel and Touch Screen
- Discuss transducers and care of the system

Transducers

Convex	Linear	Phased array	Micro convex	Volume	TEE	Pencil
7C2	18H5	10V4	11M3	9VE4	5VT	CW8
6C1	16L4	8V4	10MC3	9VC2		CW5
5C1	14L4	5P1	9MC3			CW2
	13L4	P4-2				
	12L3					
	11L4					
	L10-5v					

System filter

Clean air filters at least once a week to maintain proper system cooling

1. Power off the system and unplug the power cord from power supply
2. Push the air filter tray in to release locking mechanism and then pull tray from system
3. Rinse air filter with running water and allow to completely dry

Cleaning the system

1. Power off the system and unplug the power cord from the power supply
2. Use clean gauze pad or lint-free cloth, lightly moistened with a mild detergent to gently wipe:
   - Touch Screen
   - Monitor
   - Control Panel
3. Dry surfaces with a clean lint-free cloth
4. As required, use an approved disinfectant wipe to disinfect the system and accessories

Cleaning the trackball

1. Rotate ring around trackball and lift to remove

2. Remove trackball

3. Clean ring, trackball and trackball assembly with mild detergent or approved disinfectant

4. Place trackball into assembly

5. Place ring over trackball and rotate clockwise until it snaps into place

Trademarks and Disclaimers

- ACUSON Juniper is a registered trademark of Siemens Medical Solutions USA, Inc.

Thank you for your enthusiasm!

Questions?