

# ACUSON Juniper ultrasound system

System overview  
3.0 (VC10)

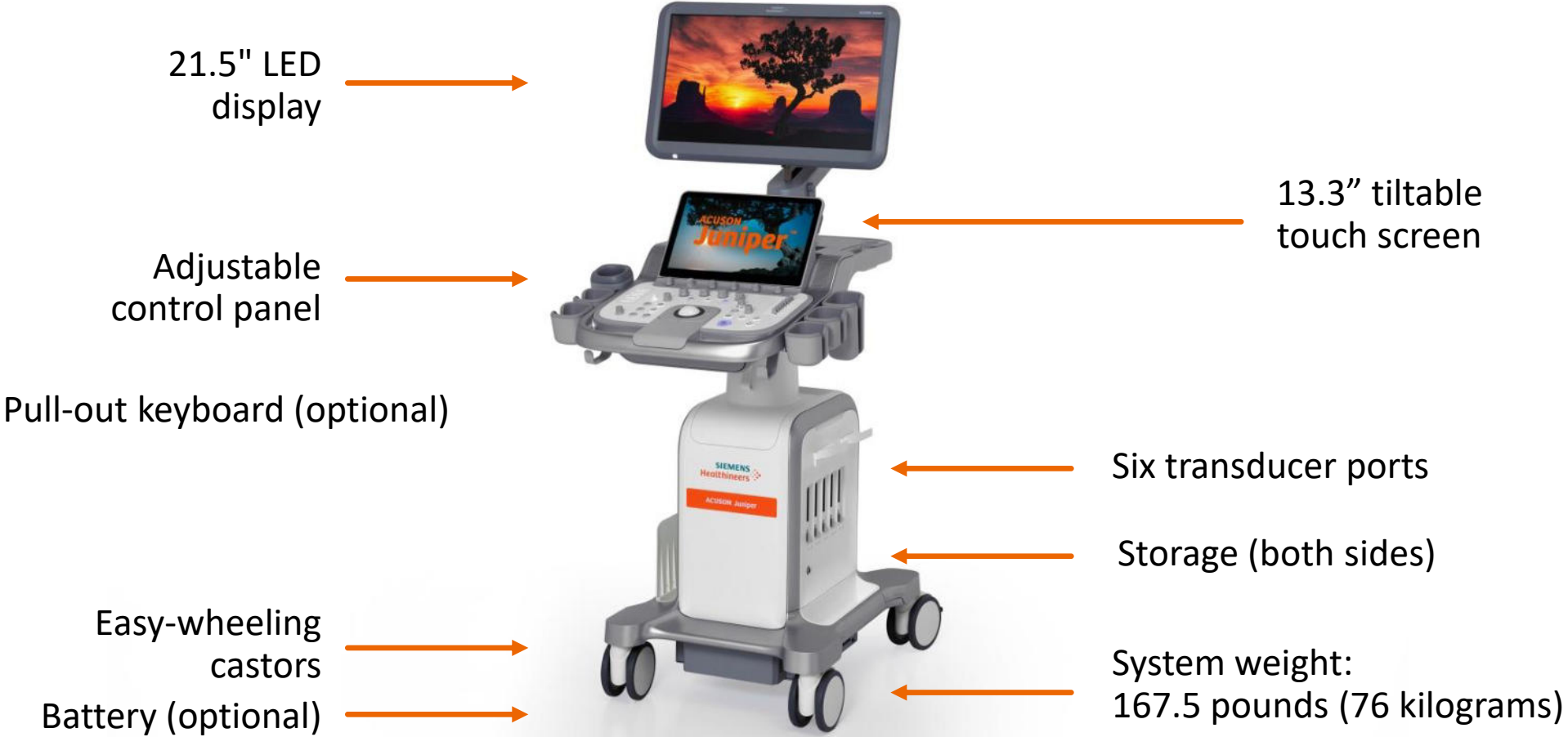


# Objectives

- **Review external features**
- Explain power-up, QuikStart and battery options
- Examine control panel and touch screen
- Discuss transducers and care of the system



# System overview



# Flat panel display monitor

Enhanced 21.5" LED LCD  
with high contrast ratio  
1000:1



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

Three-step task light  
brightness adjustment



Monitor brightness control  
with default brightness:  
170 cd/m<sup>2</sup>

# Touch screen

Customizable 13.3"  
LCD 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 – four short and two long
- Configurable
- Easy to clean

# Peripherals (optional)

## DVD/Physio (DVD-11361729)

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



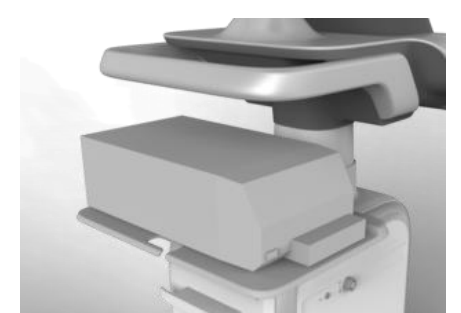
## B/W printer (Sony711-11653304-Front) (Sony 898 -11335933)

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



## Color printer (Sony 11335935)

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



# Foot switch (optional)

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



# Storage



Rear basket



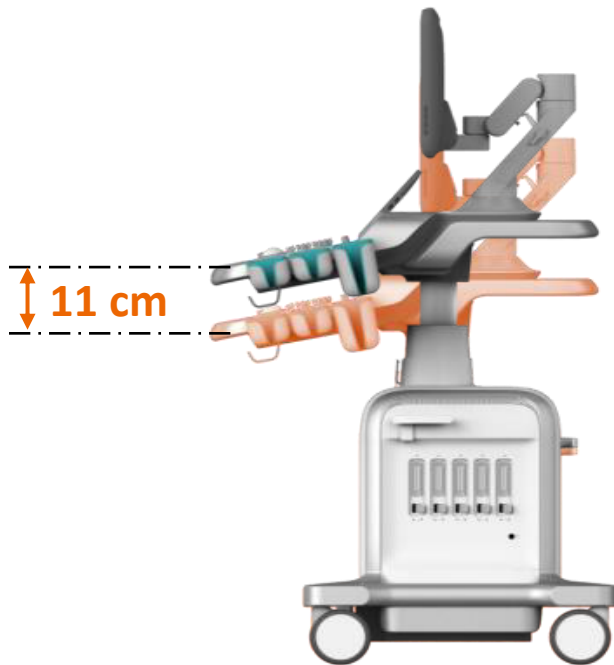
Below transducer ports



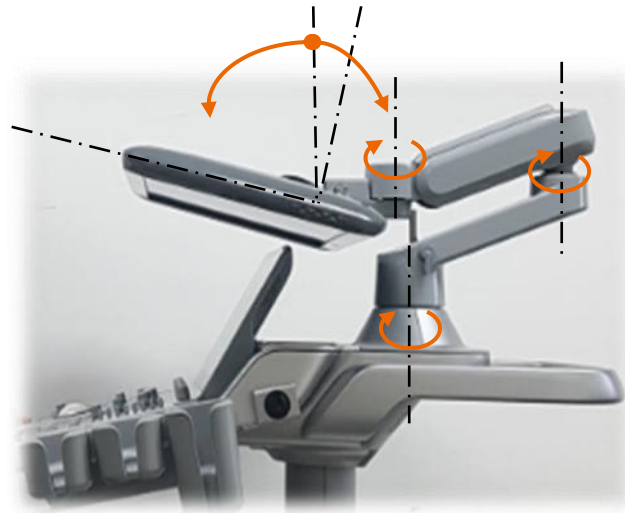
Magnetic side  
basket



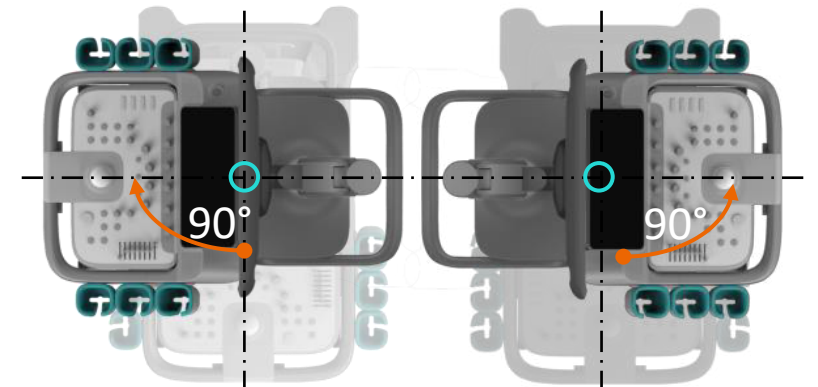
Behind touch screen



Control panel height adjustment



Monitor adjustment



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 a transducer

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



# Backside of system



Power cord hanger

Ethernet connection

Input connections (HDMI)

Main power supply

# System casters

## Lock/steer/swivel functionality



Front wheels



Rear wheels

# Control panel protective overlay (optional)

A protective overlay is available for the system control panel

- Large overlay for the control panel
- Smaller overlays for individual controls
- Disposable



# Objectives

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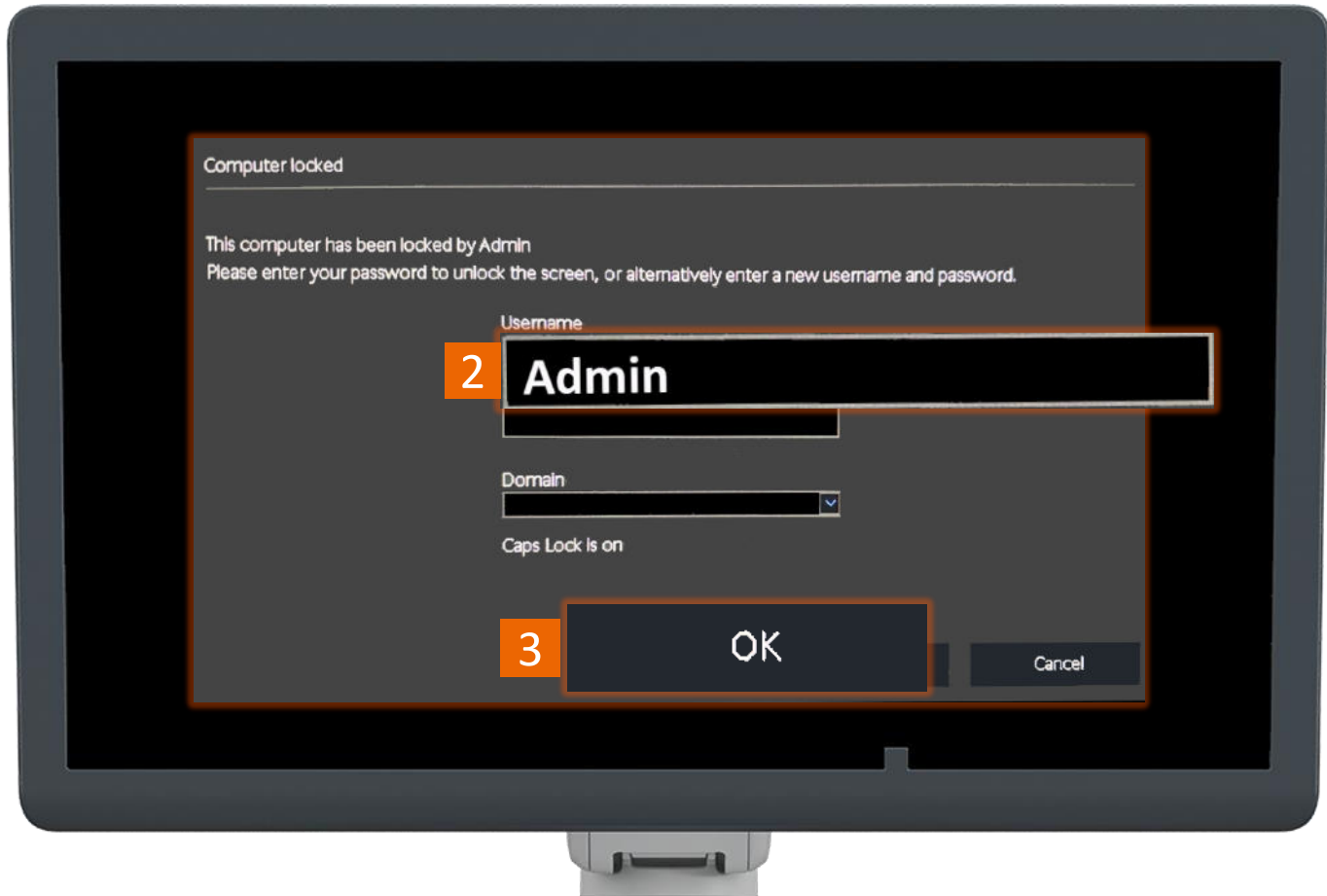
# Turning on the system

To power on the system:

1. Press the power control on the control panel to the left of the touch screen

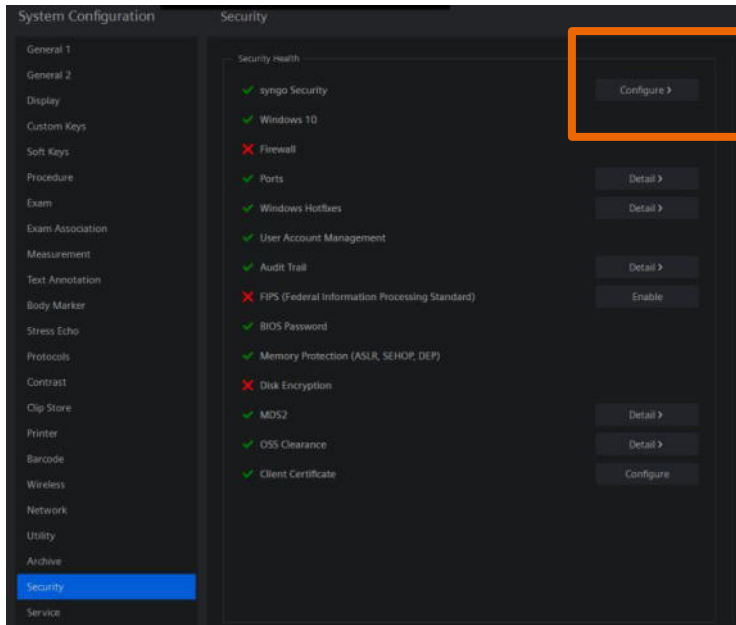


2. Type in the username (Admin is the default). No password is required.
3. Press Okay

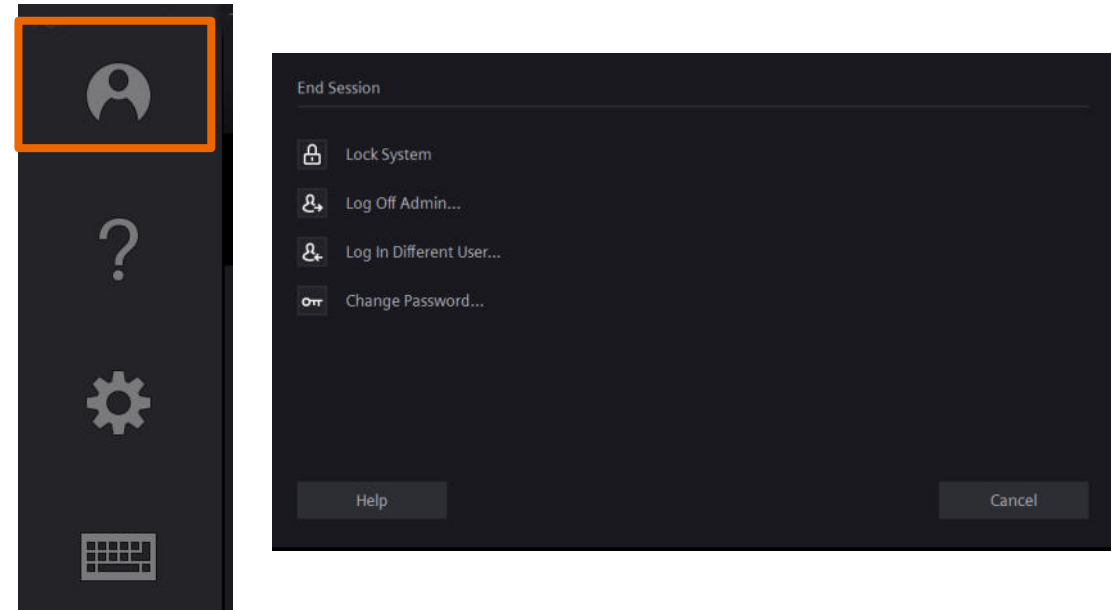


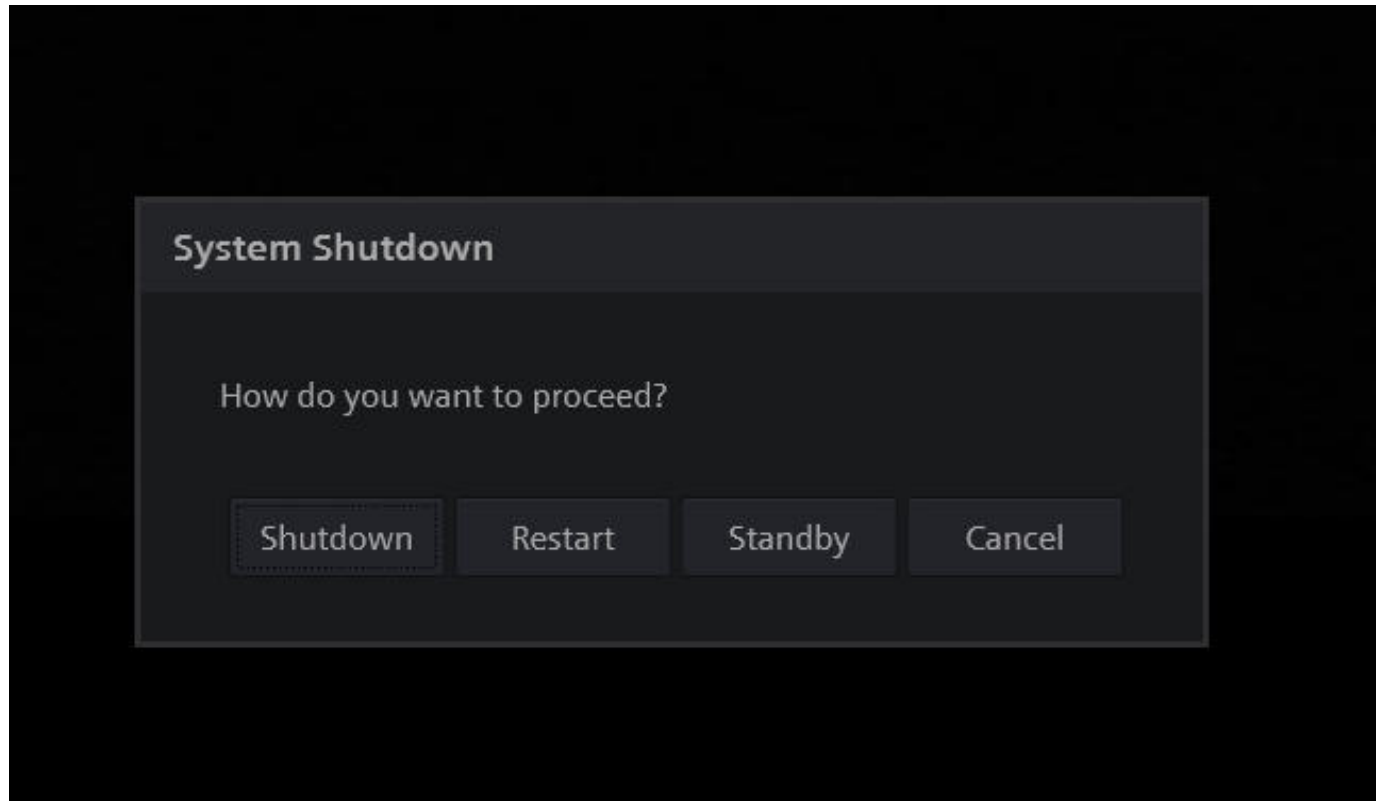
# Configuration of the Admin option

To configure the Admin option, select System Configuration > Security, then select Configure



To access the Admin option, select the login control from the touch screen





- Enters Standby mode within four seconds and boots-up within two seconds
- Requires a power source
- Transport mode is available for up to 180 minutes

# Battery support



Approximately 75 minutes of use\*

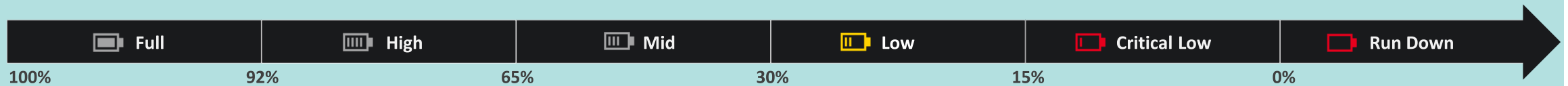


\* See user manual for more specifics

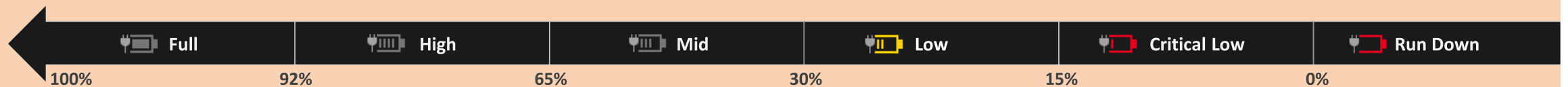
# Battery indicators

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






System is **Unplugged**








System is **Plugged in**



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

 Full	 High	 Mid	 Low	 Critical Low
<p><input checked="" type="checkbox"/> <b>Standby</b></p> <p>When the battery level is Mid or above Mid, it's possible to run the Standby mode</p>			<p><input type="checkbox"/> <b>Standby</b></p> <p>When the battery level is Low or Critical Low, the system will not allow the Standby mode. In this case, click the <b>Standby</b> button and an information dialog will be provided, <i>"The battery is too low to support standby."</i></p>	

**Restart:** Restart is not allowed when the system is unplugged

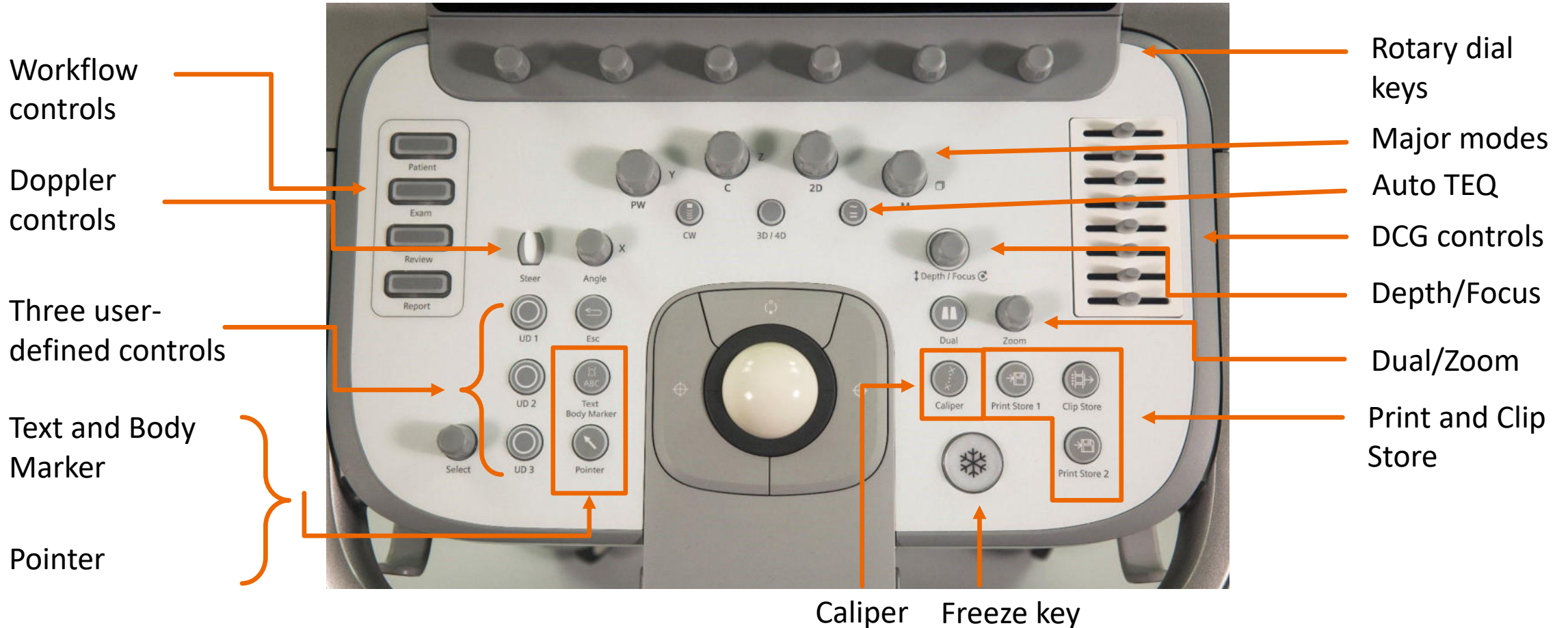
 Full	 High	 Mid	 Low	 Critical Low
<p><input type="checkbox"/> <b>Restart</b></p> <p>Restart is only allowed once AC power is connected to the system. Therefore, click the <b>Restart</b> button, and an information dialog will be provided, <i>"Connect the AC power and then restart the system."</i></p>				

# Objectives

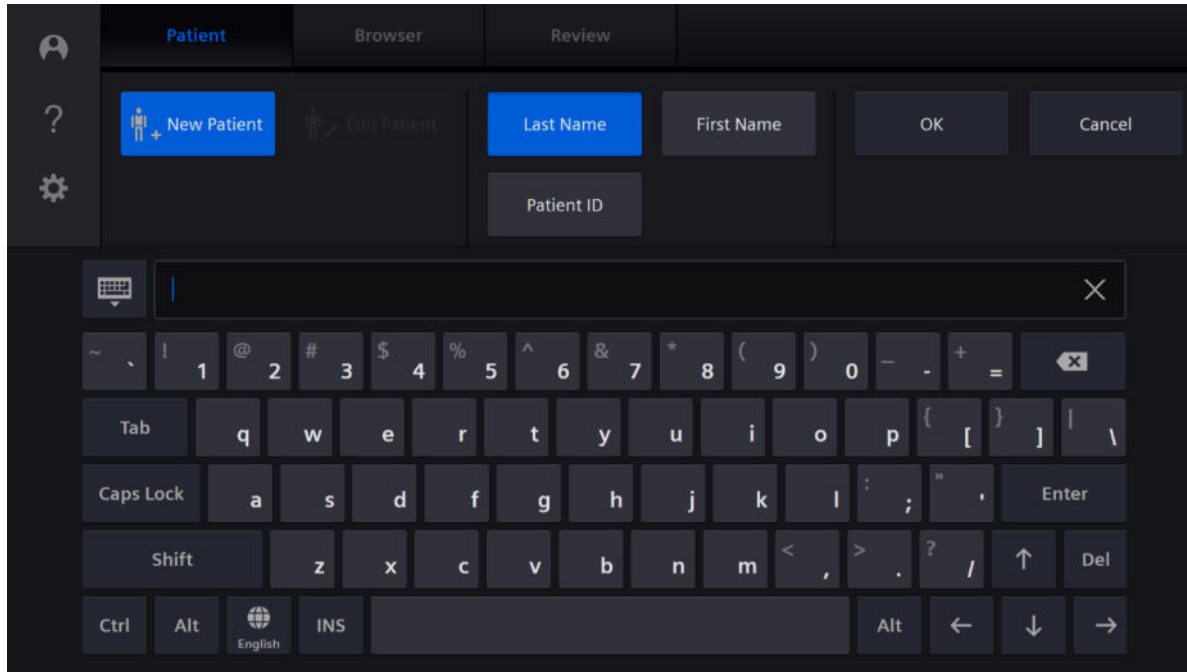
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# Control panel



# Keyboard

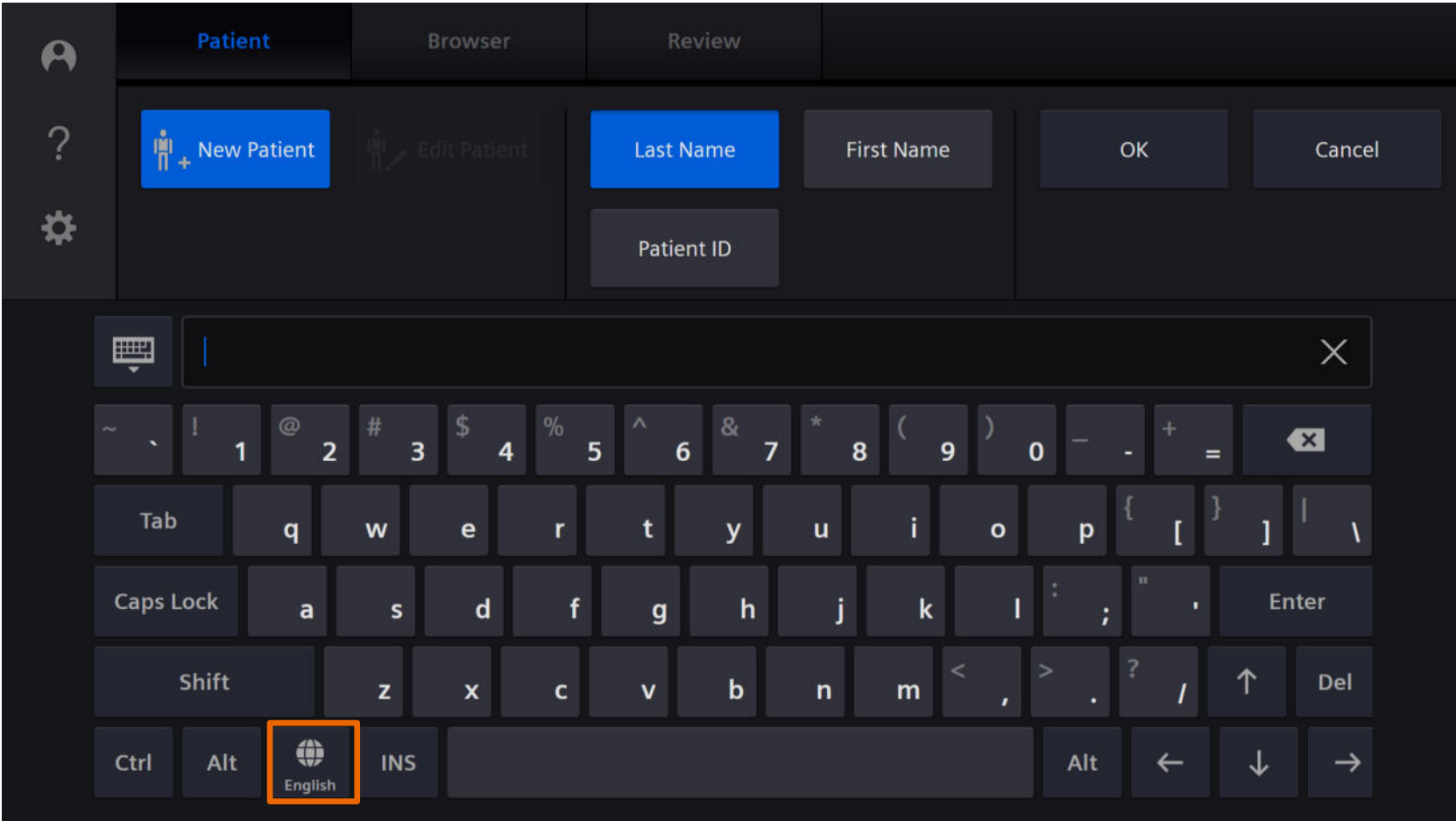
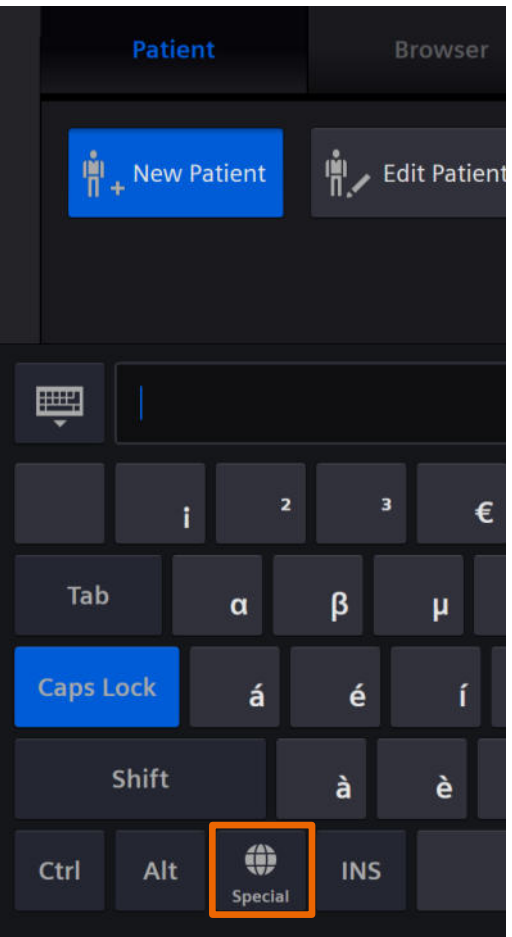


Virtual keyboard



Pull-out QWERTY keyboard (optional)

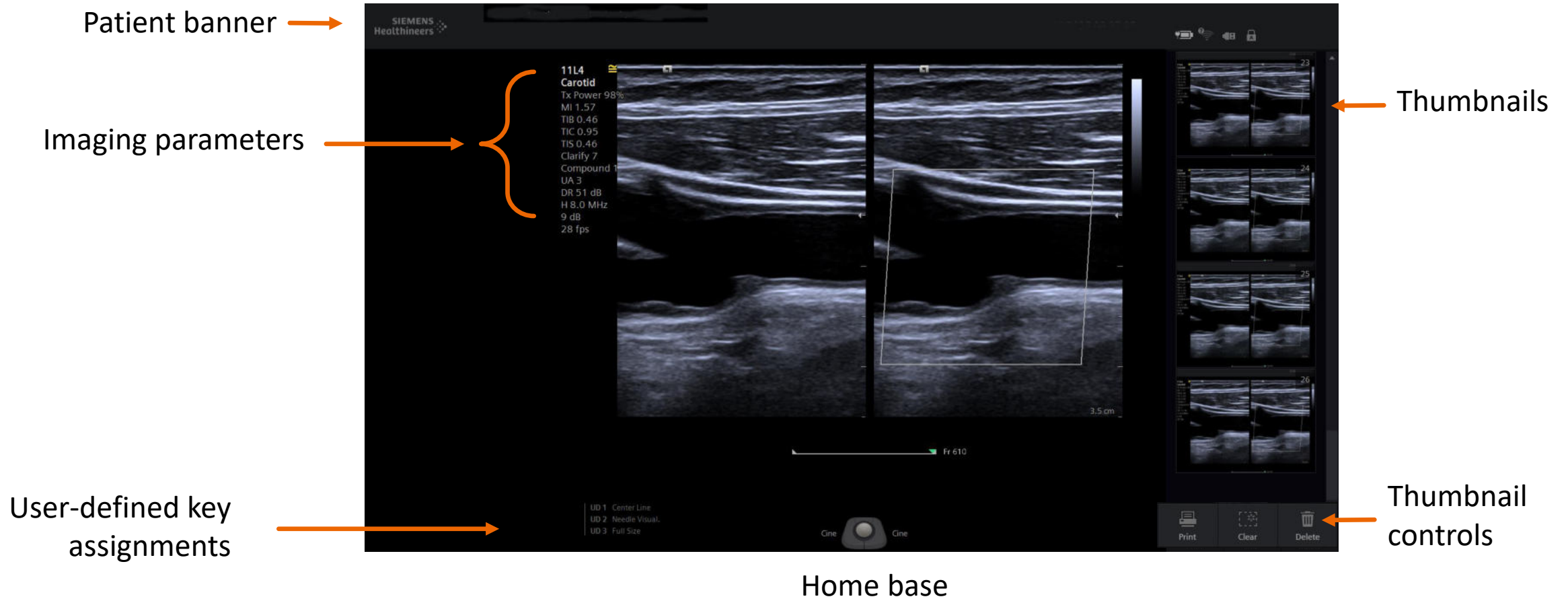
# Language and special character key



# Screen saver



# Image screen



# Image size

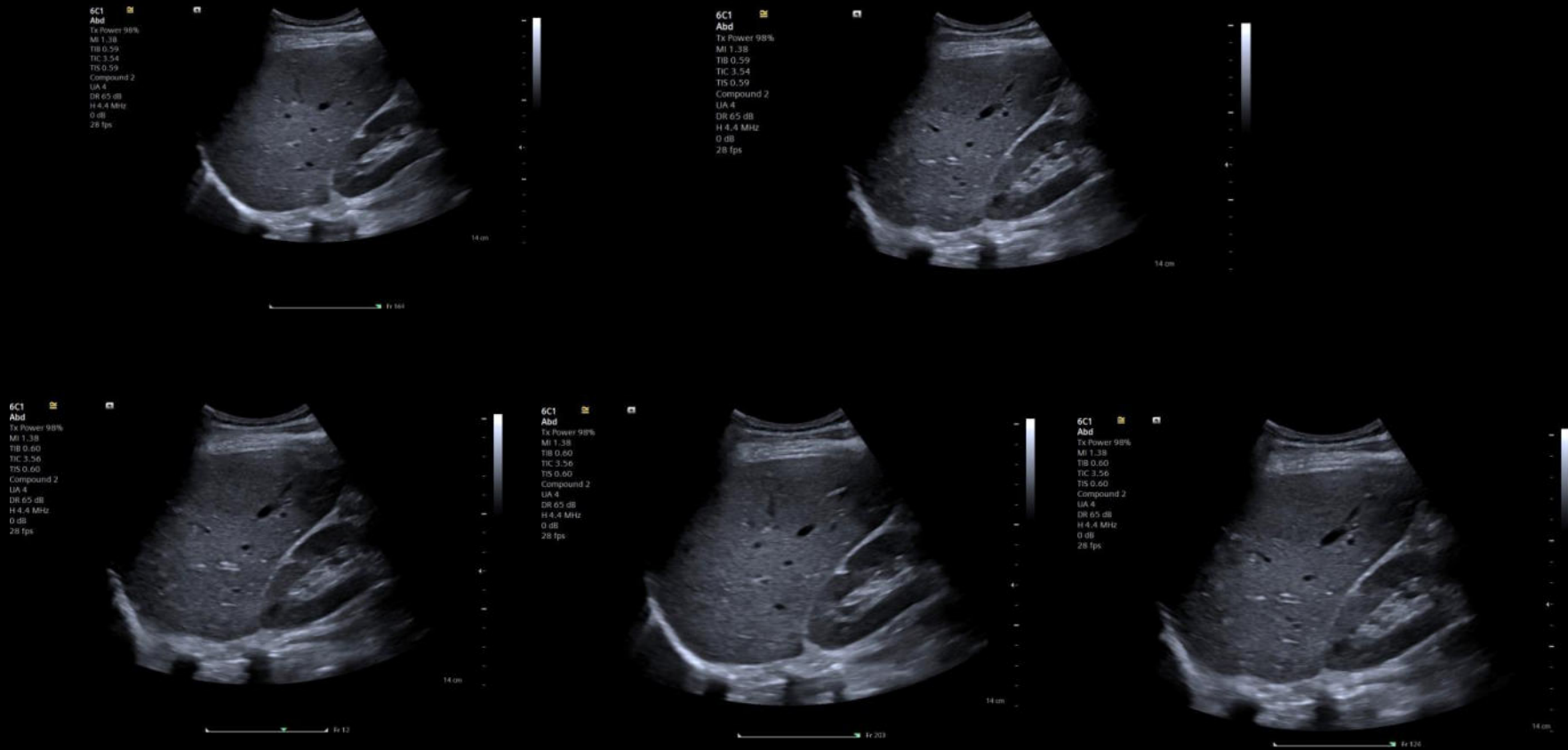


Image Size 2

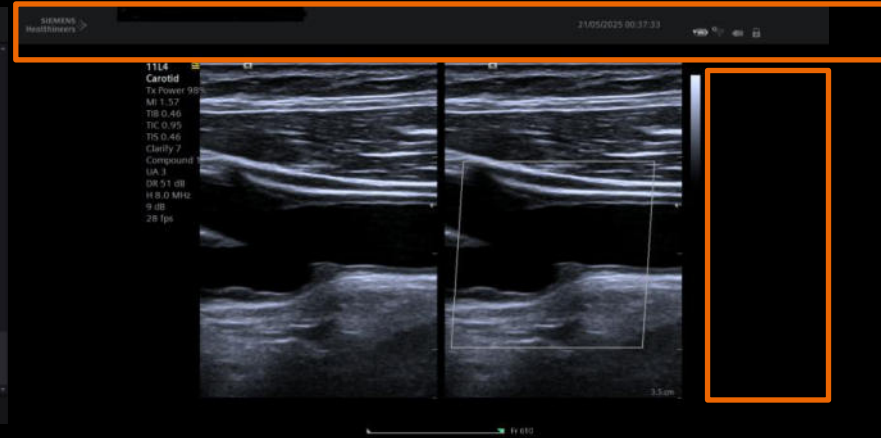
Focus Width



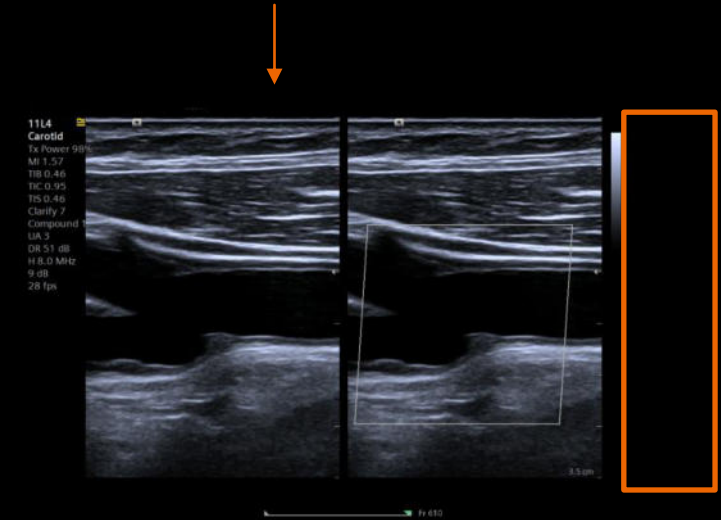
# Image display size options



Normal



Extensive View

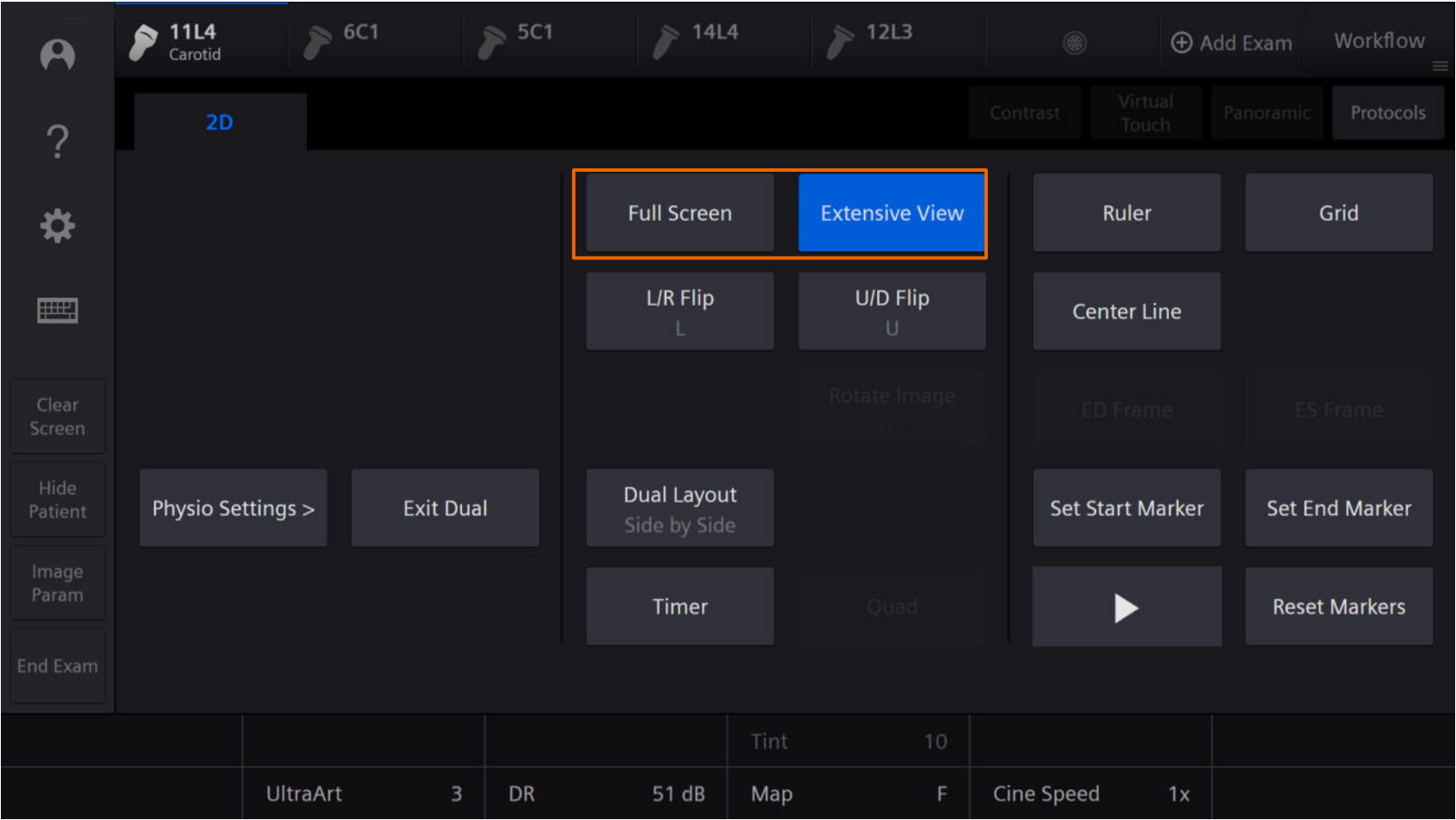


Full Screen

- Captures patient information and banner
- Hides thumbnails
- Hides trackball legend

- Does not capture patient information and banner
- Hides thumbnails
- Hides trackball legend

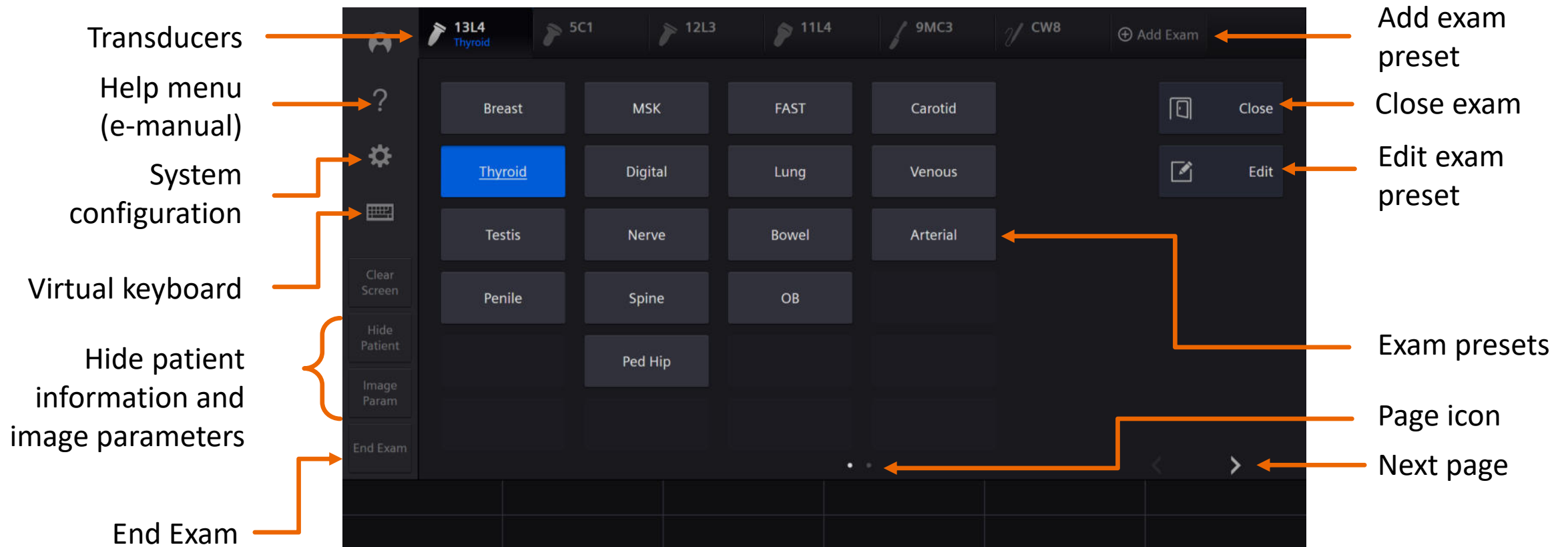
# Extensive and Full Screen view Touch screen



# Touch screen



# Exam touch screen



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# ACUSON Juniper system transducers

Convex	Linear	Phased array	Microconvex	Volume	TEE	Pencil
7C2	18H5	10V4	11M3	9VC2	5VT	CW5
6C1	16L4	8V4	10MC3			CW2
5C1	14L4	5P1	9MC3			
	12L3		10BCC3			
	11L4		9EV4			

# 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 the locking mechanism; then pull the tray from system
3. Rinse the air filter with running water and allow to dry completely



# 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





- Products & Services
- Outpatient Care
- Support & Documentation

Home > Medical Imaging > Ultrasound Machines > Ultrasound Transducers

## Ultrasound Transducers

[Ultrasound Transducers - Siemens Healthineers USA](#)

# Cleaning the trackball

1. Rotate the ring around the trackball and lift to remove
2. Remove the trackball
3. Clean the ring, trackball, and trackball assembly with mild detergent or approved disinfectant
4. Place the trackball into assembly
5. Place the ring over trackball and rotate clockwise until it snaps into place



# Summary

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Thank you for your enthusiasm!

# Questions?

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<sup>1</sup> Personalization of diagnosis, therapy selection and monitoring, after care, and managing health.