

# DCU10 Introduce

# Front view



**Handheld  
handle**

**Probe Cup**

display screen

**control panel**

# Back View



**Handheld handle**

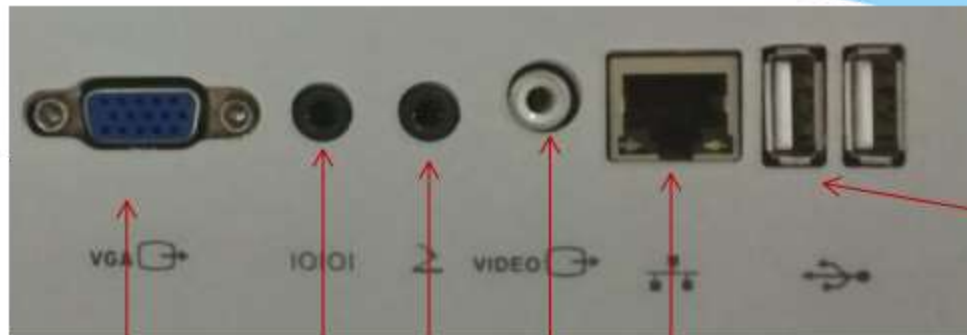
**Couplant holder**

**Probe holder**

**Multi-functional Interface Board**

**Power socket**

# Multifunctional Interface Board



VGA delivery outlet

Port

foot pedal  
input port

Video delivery outlet

internet  
access

USB Interface

## Left View



**Closed Control Panel**

**Fan opening**

right elevation



reel

Handheld handle

Coupling agent frame

Probe Cup

# Probe

**6.5Mhz micro-convex probe**



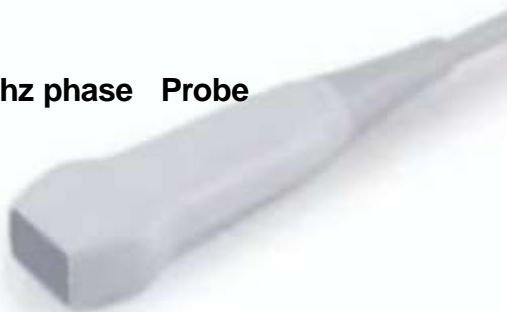
**7.5Mhz linear Probe**



**3.5Mhz convex probe**



**5.0Mhz phase Probe**



**6.5Mhz Rectal linear Probe**



# Probe

OPU Proe



# Control Panel

Power/Standby Button

PC Standard Keyboard

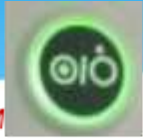


TGC

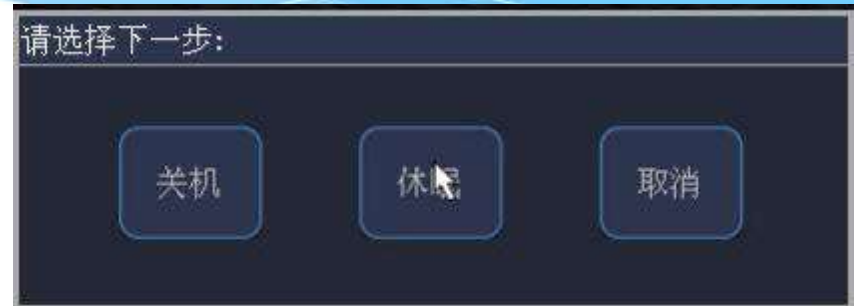
Ultrasonic Function Key

Key lights come in white and orange. The light turns orange when you enter a specific mode; otherwise, it remains white.

# Turn On/off, Sleep Mode



**Power On:** Tap the power button in the upper-right corner of the control panel. The green indicator light will turn on and the startup screen will appear. Once the system starts, it will enter normal image scanning mode.



When the device is on, press and hold the power button briefly. A dialog box will appear where you can choose to shut down, enter sleep mode, or cancel the dialog to continue operations.

You can also hold the power button for more than 5 seconds to shut down directly.

If the machine remains unoperated for an extended period, it will automatically enter sleep mode (time adjustable via the preset module: 5–60 minutes). During sleep, the machine consumes low power.

# Select the Probe and Examination Mode



**Use the Trackball to Position the Cursor on the Desired Probe's Inspection Mode, Then Tap the Set Button to Activate the Probe and Inspection Mode.**

**Note: The interface will display the probe and examination mode only when the probe is correctly connected.**

**Tap the Probe/Exam button at the bottom-left corner of the keyboard to enter the probe/inspection mode selection interface.**



# Real-Time Interface

# Image

# Main



Title bar, including company logo, patient information, examination mode, current time, MI, and TI

Image Parameter Display Area

Probe identifier, grayscale, and color scale display area

The green part represents the colored focus; the white part represents the black-and-white focus.

Depth Scale

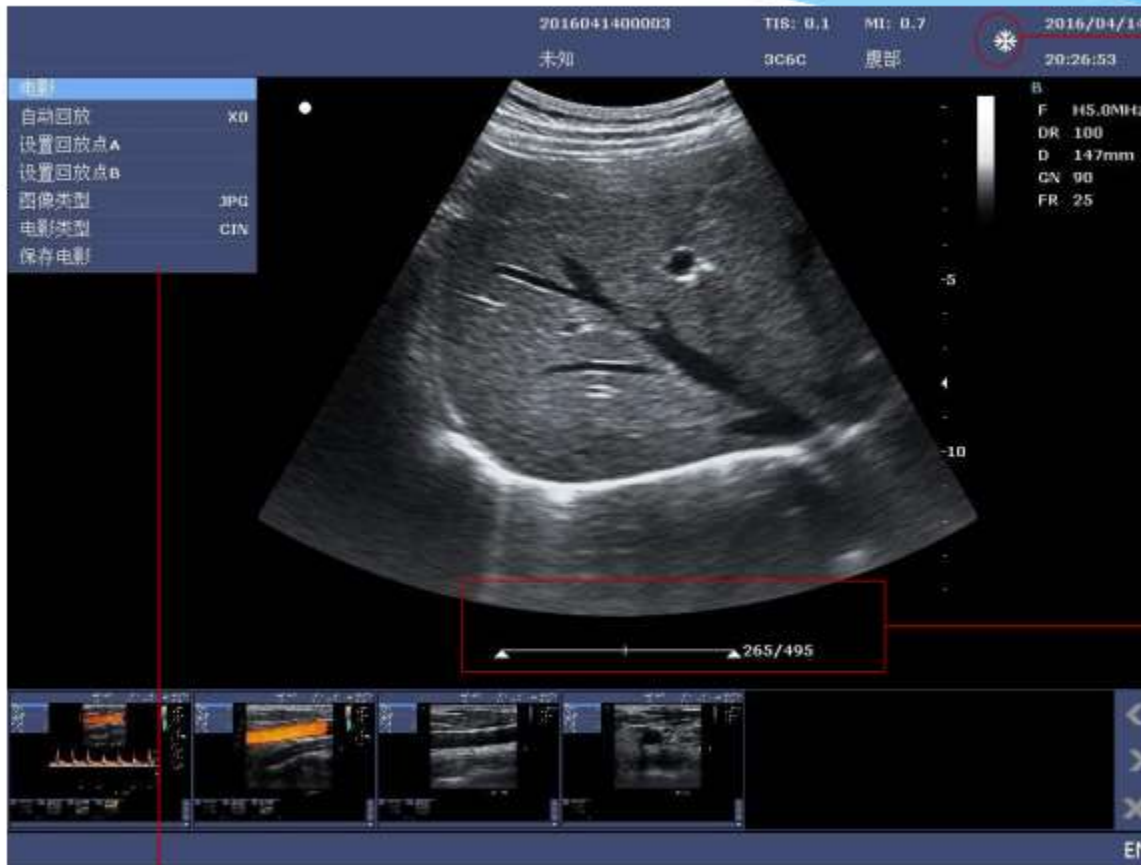
Thumbnail Area

menu Box

Image Display Area

Color Sampling

# Freeze Image Main Interface



Freeze Identification

Movie playback bar;  
Current frame number/  
Total frames

Food Menu

# Image Mode Switching and Image Gain Adjustment



**Image display mode buttons:** Press the desired mode directly in real time to activate it; the corresponding button light turns orange when selected. The buttons remain inactive during freezing. When multiple image modes are available, use the Gain knob to switch between them—rotating the knob adjusts the gain of the current image mode.

# Image Parameter Adjustment

SaveIP saves the current image parameters as default values; ResetIP restores the image parameters to default values.



TGC Regulation

**Gain knob:** rotate to adjust gain. The current menu corresponds to the selected scan mode, allowing you to adjust that specific scan mode.

The gain of the form.

**Zoom in button:** A zoom-in box appears when you click B; click again to enter the zoom-in view



**Depth adjustment button:** Press down to increase depth. Shallow depth at increased elevation



Select the knob to choose image parameters and change their values

# Image Parameter Adjustment

Image parameters on the menu can be adjusted using the trackball + Set button or the Select knob.



# Parameter Save/Reset

**SaveIP Allows You to Save the Currently Adjusted Optimal Settings With One Click.**

Image parameters are the default settings



**When parameters are altered, press ResetIP to restore the current image parameters to their default values with one click.**

# Menu, Gravel, Puncture



**Show/Hide**

**Hide Menu**



**Show/Hide**

**Tibial puncture**

**Guide Wire**



**Show/Hide**

**Stone fragments**

**Guide Wire**

# Freezing and Thawing Operation



Freeze-Thaw Button

# Movie Operations



Save Image with One Click



Movie playback switch key

Control the movie using the menu or the Select knob.

Includes auto-play (adjustable speed), set auto-play areas, save images, movie types, and one-click saving of movie files

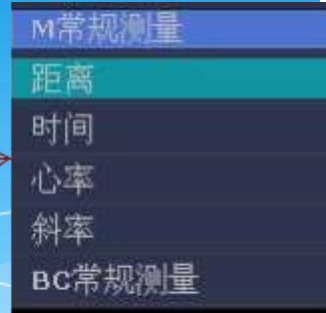
# Measurement Operation



Measurement buttons are located near the trackball: press the Caliper button to enable/disable regular measurements, and press the Measure button to enable/disable application-based measurements.

Change Key Switch

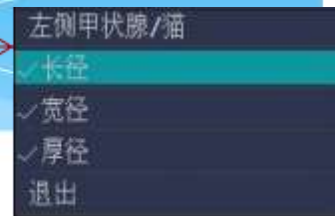
# Routine Me- asurement



For routine measurements, the measured items do not have clear clinical significance. Specific measurement items can be selected from the menu.

Divided into BC, M, and D measurement modes. The default display shows the current active mode menu; you can use the menu to navigate to other mode menus. Measurement results appear in the bottom-left corner of the screen.

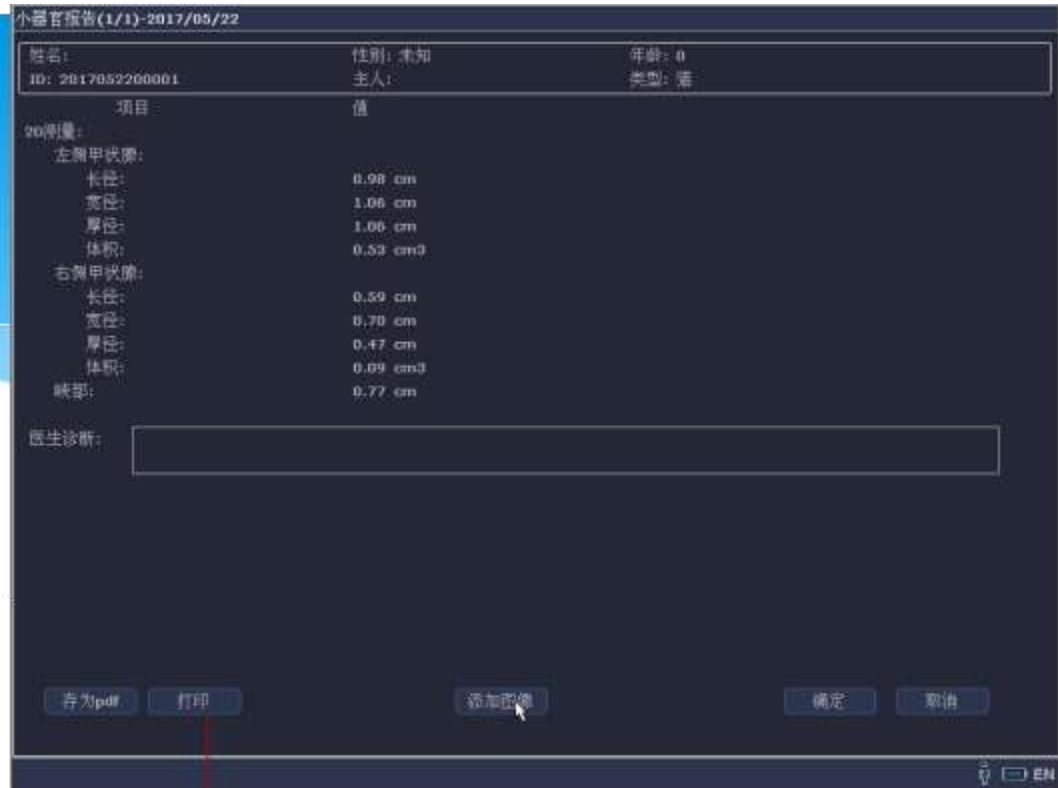
# Application Measurement



Through application-based measurement, each assessment item carries specific clinical implications and is categorized into measurement packages according to different examination modalities. For items with secondary menus, clicking the corresponding option allows access to the detailed interface. For such complex terms, the result is calculated automatically.

+	长径	0.98cm
×	宽径	1.06cm
4x	厚径	1.06cm
x>	体积	0.53cm <sup>3</sup>

# report



**The Report, Containing Patient Information and Various Measurement Results, Can Be Printed Directly or Saved to a Hard Drive.**

# Text Annotation



Text annotations are categorized into default annotation libraries based on different inspection modes. You can select annotations from the library or enter them directly using the keyboard.



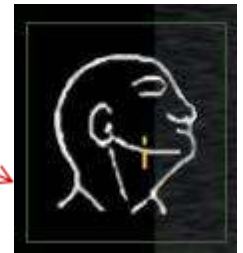
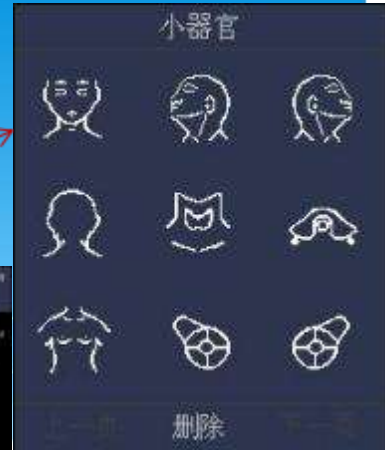
小器官	
左	右
甲状腺	甲状腺上动脉
甲状腺下动脉	甲状旁腺
眼球	晶状体
玻璃体	乳腺
腮腺	颌下腺
睾丸	附睾
淋巴结	囊肿
脓肿	肿块
肿瘤	
删除	

# Arrow Annotation



**Arrow annotation:** In green edit mode, adjust the direction using the Angle knob

# Body Annotation

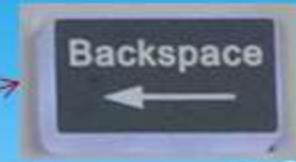


Body annotation labels are categorized into different body label libraries based on inspection modes, allowing you to directly select the required labels from each library.

The multi-functional knob allows rotation of the probe direction, enabling movement of the body landmark to any region within the image.

# Clear ments

# Com-



The Backspace key clears comments one by one.



**Clear Key:** Remove all annotations, including measurements, with one click

# End Check



**After completing a check, press the End Check button. The system will display a confirmation dialog; click OK to finish this check and proceed to the next one. You will first be prompted to enter new patient information. Press Cancel to remain on the current check.**

# View Patient File (Review)



Press the Review button to enter the browsing interface, where you can view all saved files for the current patient. Double-click the desired file to display it in full screen (AVI files are not supported).

Other Operations Include Activation Checks, Deletion, Opening, Sending DICOM Files, Transmitting USB Drives, and Accessing Workstations.

# View History Patients (Station)



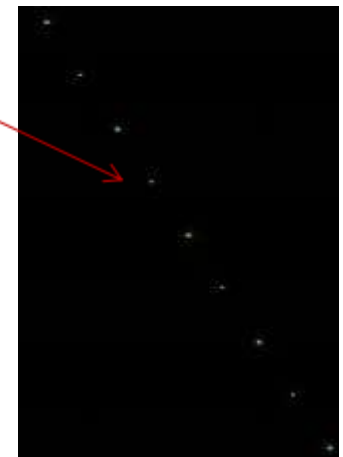
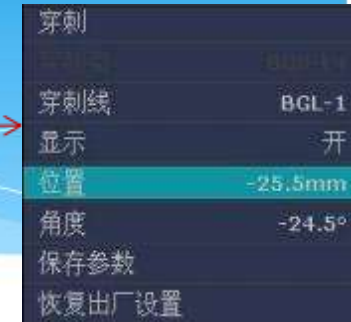
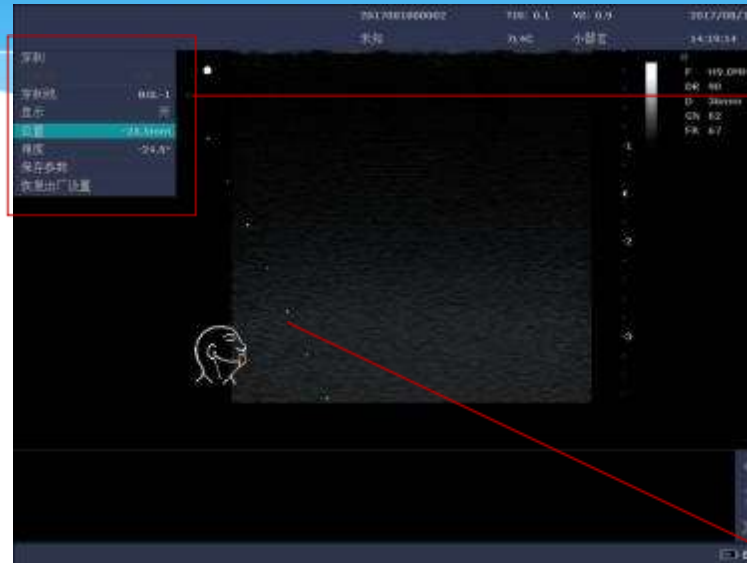
工作站



Click Workstation in the browsing interface to enter the workstation view, where you can view historical patients and their saved files.

**You Can Also Perform Operations Such as Activation Check, Deletion, Opening, Sending DICOM Files, Sending USB Drives, Demonstration, and Browsing.**

# Puncture



Press the puncture button; a green puncture line will appear.

The menu or toolbar allows you to select a puncture frame, display puncture lines at different positions and angles, show or hide puncture lines, adjust their position and angle, save the current display settings, or restore factory defaults.

# Preset



**Press the Preset button to stop image scanning and enter the preset interface. You can select desired presets from the menu; there are image preset options available, but no image parameter presets. Image parameters can be saved with one click.**

# System Initialization

系统预置

医院名称	<input type="text"/>	视频分辨率	640*480
语言类型	中文	视频输出	NTSC
日期格式	YYYY/MM/DD	视频打印机	MITSUBISHI CP31W-Z
时间制式	24小时	图文打印机	HP LaserJet M252n
图像类型	BMP	亮度	0
电影类型	CIN	色温	0
TI	TIS		

P1	生理评分	P2	保存电影
P3	伪彩	P4	发育曲线

系统日期	2017/07/30	等待时间	3 分钟
系统时间	17:30:46	系统休眠	<input checked="" type="checkbox"/>

复位设置

探头	7L4C	新病人检查时采用默认图像参数	<input type="checkbox"/>
----	------	----------------	--------------------------

按键声音	<input checked="" type="checkbox"/>	背光	<input checked="" type="checkbox"/>
------	-------------------------------------	----	-------------------------------------

确定 取消

EN

It is possible to configure medical settings.

Hospital Name, Language

Language Type, Day

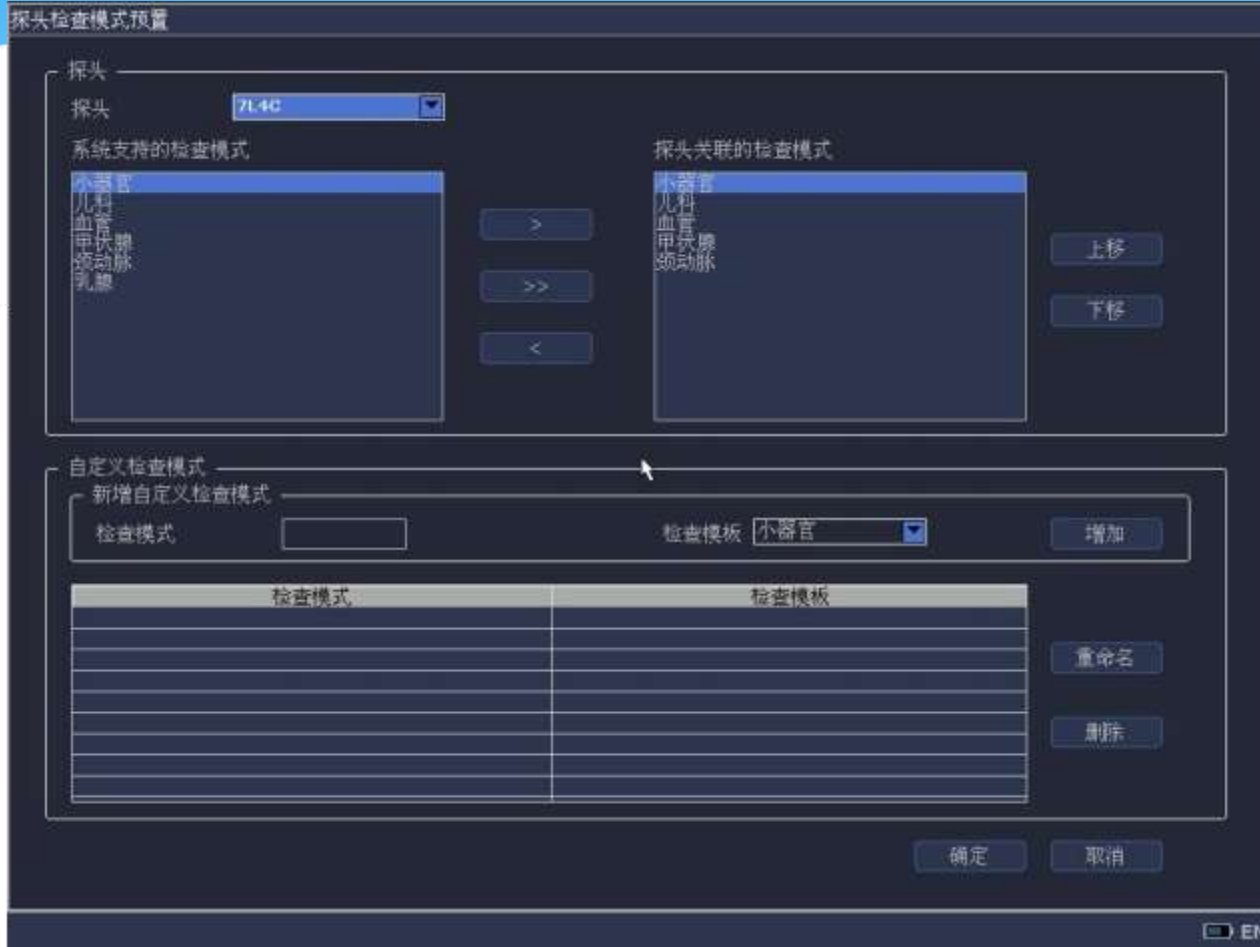
Period, Time:

Shortcut Keys, Self

Dynamic hibernation and related items

Page

# Probe/Check Preset



You can configure the probe.

Head-supported examination

Check Mode and Self  
Definition Check Pat-  
tern

type

.

System Default Branch

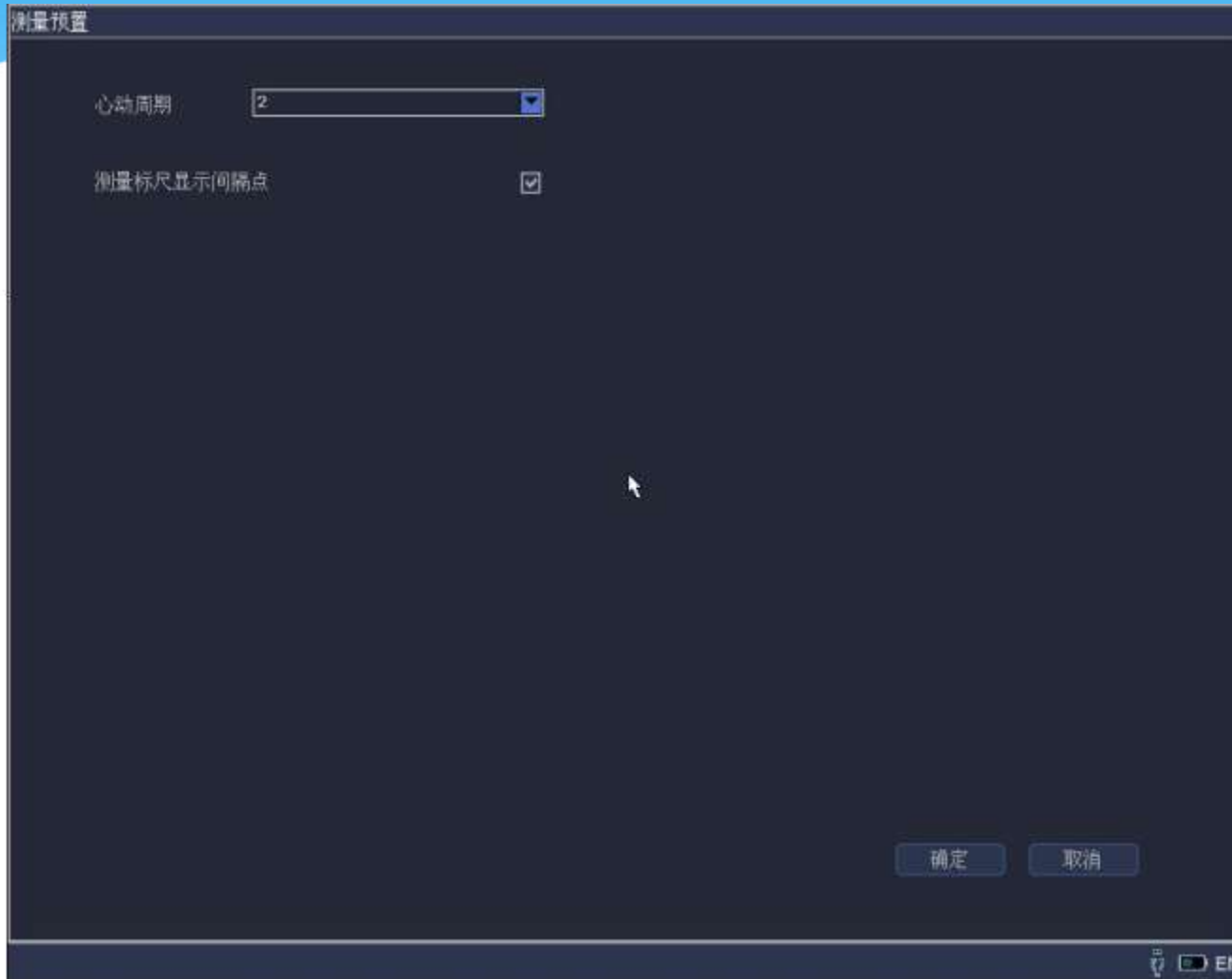
Undergo multiple examinati-  
ons

Model, User

Customizable

Check Mode

# Measurement Preset



Current measurement preparation

It's designed very simply.

Single, only for the heart

The heart rate measured by the heart rate monitor

Number of dynamic cycles and the measurement ruler

## Display Method

It has been done accordingly.

# Comment Pre-Setting

You can set annotations

**Library Layout**

Order and Users

Custom Comment

**(Up to 20)**



# DiCOM Preset

DICOM預置

系统标题 SCU

机构名称 PEOPLE'S HOSPITAL

	AE 标题	主机	IP地址	端口	别名	包大小	
本地	SCU		192.168.0.132	2000		16384	
存储服务器	ANY-SCP		192.168.0.2	104		16384	验证

本地 子网掩码 255.255.255.0 网关 192.168.0.1

确定 取消

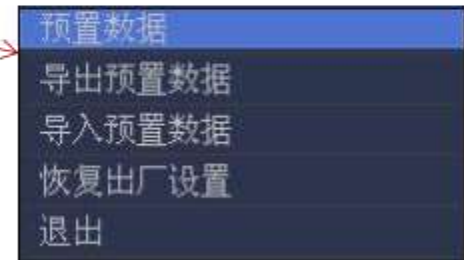
EN

Can be configured  
The various components  
of DICOM

Set a configuration,  
and

Verify

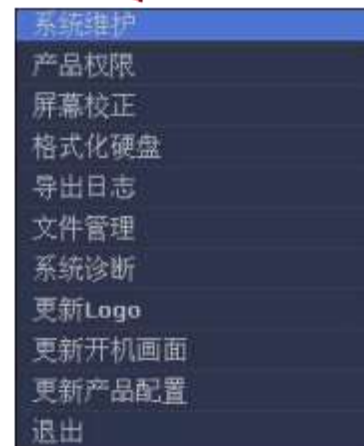
# initialize data



**You can set preset data for import and export, and perform factory value restoration operations.**

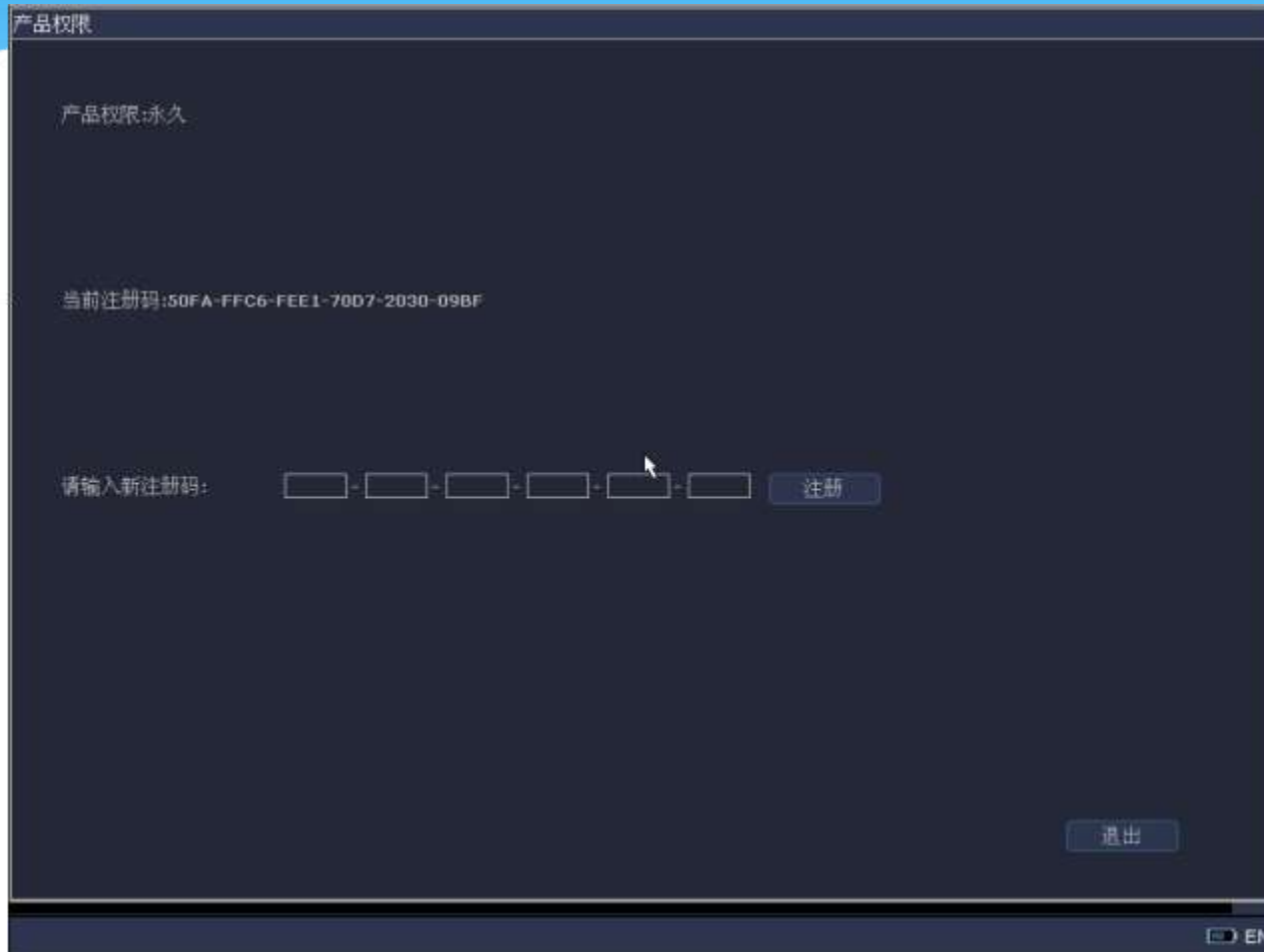


# System Maintenance



On the preset interface, press Ctrl+T and enter the maintenance password to access the system maintenance interface. You can perform operations such as formatting the hard drive, replacing the logo and startup screen, exporting logs, and managing files.

# Product Permissions



**You can use a note.**

**Code Pair for Users**

**Usage Time**

**Perform control,**

**From registration code to**

**After startup, during the period**

**Will go directly to**

**Registration Interface**

## Support Peripheral Devices

- 1. Supports Mainstream USB Drives**
- 2. Supports Network Connectivity and DICOM Standards**
- 3. Supports Foot Pedal Switch**
- 4. Supports Video and VGA video output. Can connect external black-and-white video printers (MITSUBISHI P93W-Z) or color video printers (MITSUBISHI CP31W), and can be connected to a workstation via a video capture card.**
- 5. Supports the following models: HP LaserJet M252n color laser printer; HP LaserJet P1108 black-and-white laser printer; and HP DeskJet 1111 color inkjet printer.**