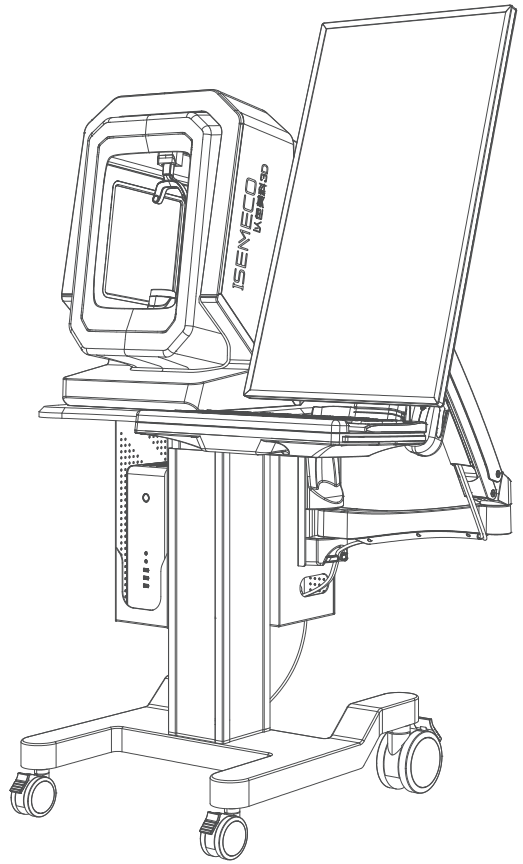
ISEMECO

3D

D8 Skin Image Analyzer

User Manual



Windows IOS

3D Vision
Truly
Witnessing
The
Transformation
Of
Beauty.

ISEMECO

Produce Brief Instroduction

Overview

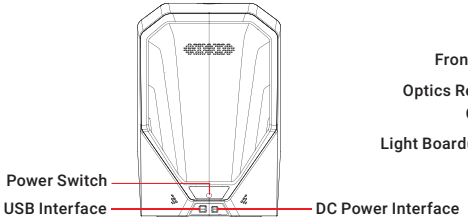
This product combines highdefinition facial imaging and 3D structured light scanning analysis. It can display both visible and invisible skin conditions such as texture, pores, pigmentation, dark spots, and inflammation through skin image analysis. It also utilizes a 3D fullface model to observe contour trends and judge the degree of aging and sagging issues.

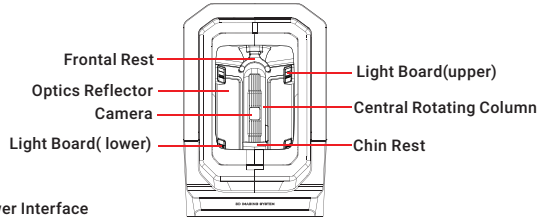
Positioning

This product is suitable for institutions that perform professional facial analysis and diagnosis.

Function

This product can rapidly complete a 3D scan of the human face to obtain 3D surface contour data, as well as 3D geometric and high-definition color texture data. By utilizing professional skin imaging technology and specialized algorithms, it generates highly valuable image reports.





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Safety Precautions

1.1 Preface

Thank you for choosing ISEMECO 3D D8 Skin Imaging Analyzer. Our product is designed with the concept of providing a more professional skin imaging analysis device for professional establishments, while also delivering the best testing experience for the users. If you have any questions or problems with the product usage that are not addressed in this manual,please contact us promptly.

1.3 Product cleaning

A. External dirt: Wipe the dirty area with a clean soft cloth, or use a cotton swab dipped in alcohol to wipe the dirty area. When wiping, avoid liquid entering the product and causing damage.

B. Internal dirt: The internal reflection mirror and lens are important components. Do not touch or press them with fingers or other objects as it will affect the accuracy of the measurement values. When dirt is found on the surface of the mirror, use a cotton

Warning: Do not use 75% disinfectant alcohol to wipe the mirror surface. It will leave watermarks. Do not use other chemical reagents to wipe the mirror surface, which will cause damage to the surface.

1.4 Waste disposal methods

1. As the product is a reusable instrument, please pay attention to cleaning and disinfection after use.
2. When turning on or off the instrument, please follow the standard procedure and do not directly unplug the power, otherwise it may cause file or data loss.
3. If the product is not used for a long time, please cut off the power supply.
4. If there are any damage traces on the reflection mirror or the product itself, please do not continue to use it and contact the seller in time. Do not repair it yourself.

Note: Daily maintenance is not required for this product. We suggest that you regularly check the accuracy of the product as a maintenance reference.

1.2 Product maintenance

This product is not recommended to be treated as general household waste. Please follow the regulations on electronic waste recycling for disposal guidelines.

Note-taking items

※ Before use, please be sure to read the instructions carefully and strictly follow them

- ◎ Do not use in high temperature, dusty, or humid environments to prevent deformation and affect the imaging measurement results.
- ◎ Do not use in environments close to strong electromagnetic interference (such as mobile phones, microwaves, etc.) to avoid affecting the accuracy of measurement data.
- ◎ Please read this manual carefully before taking measurements and check if the appearance of the product is normal to ensure that the product is not damaged externally, which will cause inaccurate measurements. If there are any abnormalities, please stop using it.
- ◎ Do not drop, disassemble, repair or modify the product, otherwise it may cause measurement errors or machine failures.
- ◎ Facial makeup, sweat stains, and other factors can cause low measurement accuracy, so please clean your face before using it to ensure accurate measurement results.
- ◎ The measurement results are for reference only and cannot replace a diagnosis by a physician. Do not judge or treat yourself based on the measurement results. Please follow the doctor's guidance.
- ◎ To avoid unclear imaging, please ensure that the reflective mirror surface is clean before taking pictures.
- ◎ Please keep the power source out of reach of children to avoid electric shock hazards.
- ◎ This product is not waterproof. Do not immerse it in any liquid and avoid using it in excessively high or low-temperature environments.

※ Transportation and storage temperature environment

- ◎ Environmental temperature:−10℃—50℃
- ◎ Relative humidity:93%RH

※ Storage precautions

- ◎ The product should be stored in a clean and dry place, avoiding direct sunlight.
- ◎ This product is a high-precision instrument and should not be collided, dropped, or mixed with sharp objects to avoid strong impacts, bumps, and other transportation risks.

D8 Configuration list

① D8 Skin Imaging Analyzer Main Unit

② Power Adapter Computer Connection (USB Cable)

③ 3.0USB Data Cable

④ Hardware Security Token (Your License to Use).

⑤ ISEMECO D8 User Manual

D8 Optional Accessories List

① Detection Host Machine

② Exclusive Computer Host

③ Electric Lifting Table

④ Multi-Angle Operating Arm

⑤ Mouse and Keyboard

Product parameters

Name:	**3D Skin Imaging Analyzer**
Model:	**D8**
Full-face Pixel:	**3500w**
CMOS Size:	**1 inch**
Facial Vertex Number:	**80w**
3D Camera:	**Binocular Grating Structured Light**
3D Modeling Accuracy:	**0.2mm**
Spectral Mode:	**RGB Light/Cross-polarized Light/ Parallel-polarized Light/UV Light**
Lighting Technology:	**LED**
Average Power Consumption:	**50w**
Maximum Power Consumption:	**100w**
Input:	**12V/10A**
Power Interface:	**DC-005 5.5-2.5**
Communications Interface:	**USB 3.0 Type B Port**
Storage Temperature:	**0℃~40℃**
Operating Temperature:	**-10℃~50℃**
Weight:	**117kg**
Size:	**L:1087 W:965 H:1500~1850(mm)**

Note: **Computer and monitor parameters may vary according to user requirements.**

Operating instructions for lifting system

01 Controlled elevation

1.1 Press and hold the ▲ (up button)or ▼ (down button) directly to control the elevation of the device.

1.2 Press and hold the ▲ (up button) to elevate the device and view the increase in height (displayed number) on the three-digit display;

Press and hold the ▼ (down button) to lower the device and view the decrease in height (displayed number) on the three-digit display.

02 The function of recalling the saved height

2.1 In normal state:

If click ❶ button, it will show “H1”on the digital display, If you release the button, the lifting device will move to the height corresponding to the number 1 key from its current height.

If click ❷ button, it will show “H2”on the digital display, If you release the button, the lifting device will move to the height corresponding to the number 2 key from its current height.

If click ❸ button, it will show “H3”on the digital display, If you release the button, the lifting device will move to the height corresponding to the number 3 key from its current height.

03 Screen wake-up

3.1 When the handheld controller screen is locked, the digital display will turn off. Press any button to wake up the digital display and complete the function of the currently pressed button.

04 Setting the Memory Height and Parameter

4.1 Setting the memory height:

In normal state, click Ⓢ button, the height digit starts blinking.

If click ❶ button, it will show “1”on the digital display, record the current height to the height corresponding to the number 1 key.

If click ❷ button, it will show “2”on the digital display, record the current height to the height corresponding to the number 2 key.

If click ❸ button, it will show “3”on the digital display, record the current height to the height corresponding to the number 3 key.

4.2 Setting Parameters:

Press and hold the Ⓢ button for 3seconds, The handle displays "S--" and begins blinking.

Press the Ⓢ key again to enter the setup interface, and display the function name. Switch options through the ⏶⏷ button, and the functions with adjustable parameters include:

Display unit of device height:	Unit（Un）;
Display screen brightness:	Brightness（br）
Buzzer switch:	Beep（bEE） CF）
Collision protection intensity:	Collision Force（
Use height limit setting:	Set Height（SH）
Demo mode gear setting:	Demo（dE）

4.3 In the setup interface, the functions of each key are:

❶ Return key, can return to the previous menu level

⏶⏷ Option toggling

Ⓢ Confirm key (confirms entering the next menu level of the current interface or confirming the selection of the current parameter item). If no key is pressed within 20 seconds, exit the setup interface

Main Menu	Submenu	Description	
Un Unit	SI SI Metric	Select (SI/In) by ▲▼ button,and click S button to save current option. Exit setting mode after 2s.	
	In Inch		
br Brightness	L Low	Select (L/N/H) by ▲▼ button, and click button to save current option. Exit setting mode after 2s.	
	N Normal		
	H High		
bEE Beep	OFF Off	Select (Off/On) by ▲▼ button, and click S button to save current option. Exit setting mode after 2s.	
	On On		
CF Collision Force	OFF Off	Select (Off/L/N/H) by ▲▼ button,and click S button to save current option. Exit setting mode after 2s.	
	L Light		
	N Normal		
	H Heavy		
SH Set Height	O Original[1][2]	Select (Original/Low/High)by ▲▼ button, and click S button to confirm the parameters.	Select height by ▲▼ button, and click S button to save current option and exit setting mode.
	L Low[1][3]		
	H High[1][3]		
dE Demo When you see: PW_ (Password) , please fill in the password 11111.	OFF Off	Select (Off/S1/S2/S3) by ▲▼ button, and click S button to save current option and exit setting mode.	
	S1 2min On,18min Off		
	S2 1 cycle / 4min		
	S3 1 cycle / 6min		
	S4 1 cycle / 10min		

※ **Remark**: Adjustment length is 1cm or 0.5inch each time.
Original height refers to the height after the stroke is reset, adjustment range ±20cm or ±8inch. The maximum height limit should be higher than minimum limit length at least 20cm or 8inch.

05 Protection and Alarm

5.1 Resistance protection:"E02"is displayed. During the movement, the device will alarm and stop moving immediately if it is subjected to vibration, collision or tilt, and will automatically cancel after opposite button pressed, or press any key to stop and release during the reverse movement. It should be checked and ensured before operate that the equipment does not vibrate significantly, hit obstacles or tilt.

5.2 Overheat protection: "Hot" is displayed. This protection may be initiated by continuous operation and should be re-powered or waited for at least 18minutes before use.

5.3 Motor abnormal protection: "E10" is displayed. Power should be turned off, re-check to make sure the wires between motor and control box is tight connected, then re-power on.

5.4 Overload protection: "E20" is displayed. This alarm occurs when running up. Should reduce the current load and run again. If this alarm occurs when running down, please power off,
remove some heavy objects from the equipment, and then power on again.

5.5 Under-voltage protection: "E31" is displayed. Please Power off, recheck and make sure the power supply is connected to the controller and then power it on.

5.6 Over-voltage protection: "E32" is displayed. Please Power off, recheck to make sure the power supply is connected to the controller and then power it on.

5.7 Out-of step protection(Loss synchronous protection)①: Display "E60". Please Power off, recheck and ensure that the motors in each channel are identical and their connection to the controller is reliable and then powered back on.

※ **Remark**: ①Only multi-motor systems have "out of step protection".

06 Stroke Reset

6.1 Single motor stroke reset

In the E10, E20 alarm state or after running to the lowest position, press and hold he ▼ button for 3 seconds, display rES (Reset) and then release, the lifting device starts to run down to the bottom and rebounds to a certain height, and the reset completes to display the minimum height.

6.2 Multi-motor stroke reset

In the "E10, E20, E60" alarm state or after running to the lowest position, press and hold the ▼ button for 3 seconds, display rES (Reset) and then release, the lifting device starts to run down to the bottom and rebounds to a certain height, and the reset completes to display the lowest height.

Instrument connection

Instructions for instrument connection operation

① Take out the power adapter from the accessory bag and connect one end to the 220V city power and the other end to the instrument power input.
②Take out the DP cable or HDMI cable from the accessory bag and prepare a display to connect the instrument to the display through the DP cable or HDMI cable.
③Power the display using the built-in power cord.
④The mouse and keyboard can be connected through the USB interface on the back of the device.

Frequently asked questions

Diagnosis

01 After the power is connected, the device does not work, What could be the cause?

Answer:

The following are possible reasons:

① The power button has not been pressed to turn on the device.

② Loose or disconnected power adapter interface.

③ USB is not connected.

Solution:

① Press the power button to turn on the device.

② Check the connection of the power adapter to ensure all connections are secure.

③ Exit the system, unplug and replug the USB, and enter the system again.

02 The composite 3D image has distinct stitching seams or large patches. What could be the reason?

Answer:

The following are possible reasons:

① Slight head movement during shooting.

② Reflective mirror is dirty.

③ Reflective mirror is loose or detached.

Solution:

① Ask the subject to keep their head relatively still during shooting.

② Check if the mirror is dirty and clean it with a 95% or higher purity non-water alcohol.

③ Check if the mirror is loose or detached, and contact the dealer for assistance.

Installation And execution of the program

01 Pop-up key error message:

a. Please confirm if the key is inserted into the computer;
b. Or try connecting to another USB port on a different computer.

02 Pop-up camera connection error message:

a. Please confirm if the USB cable is connected between the computer and the device;
b. Please confirm if the power switch is turned on. If not, turn it on and try again;
c. Please confirm if the power cord plug is securely inserted into the socket.

03 I lost the USB key

We do not provide USB keys for free. If you would like to purchase a new key, please contact us.

Error analysis

Corresponding issues with the instrument motherboard error messages

- Instrument error
- Serial port not found
- Serial communication timeout
- Configuration file retrieval failed or file abnor-
- mality
- Camera error
- RGB camera not found
- 3D camera not found
- Need to reshoot or restart
- Modeling failure
- AI analysis failure
- scan.exe not found
- scan.exe crash network

Network issues

- Device network card not found
- Network card IP setting failed
- Network card start or stop problem

Account issues

- User name does not exist
- User name or password is incorrect

Error analysis

Account permission issues:

- No access rights
- Your interface access frequency exceeds the
- upper limit
- Your access is restricted
- Unable to use VIP function
- VIP has expired

Restart the software or try again later

- Your interface access frequency exceeds the upper limit
- The system is busy, please try again later

Exit or retry

- Captcha access frequency limit exceeded
- Illegal mobile phone number
- SMS platform exception
- Original password verification failed

Device number/device number issue

DEVICE _ NO _ NOTFOUND (500301, "Device number does not exist, please contact the device manufacturer")
DEVICE_ STATUS _ ERROR (500302, "Device status error, please contact the device manufacturer")
DEVICE_ USER _ ERROR (500303, "Valid user for the device was not found")
DEVICE_ DUPLICATED _ USER _ ERROR (500304, "Device number has multiple valid users, unable to modify")
DEVICE _ NO _ DUPLICATED _ ERROR (500305, "Device number already exists")
DEVICE _ USER _ BIND _ ERROR (500306, "The current device number is already bound to a user")
DEVICE _ NOTFOUND (500307, "Device does not exist")
DEVICE _ BIND _ ERROR (500308, "Device is not bound to a store")
DEVICE _ USER _ NOTFOUND (500309, "User corresponding to the device wasnot found")

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