

# K55 AI Skin analyzer

LEAD TECHNOLOGY CREATE BEAUTY

COMPREHENSIVE UPGRADE OF COLLECTION, IMAGING, DATA, AND EFFICIENCY

# Catalogue

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K55 AI Skin analyzer

01

FUNCTIONS  
COVER

## K55 AI Skin analyzer

**K55 AI Skin analyzer:** The development is oriented towards solving skin problems. It integrates eight major spectral imaging technologies and simultaneously captures three fixed angles of the front face, left face, and right face, achieving a 270° all-round coverage without any blind spots. The original intention of the development is to conduct professional and objective analysis of eighteen issues of facial skin and provide flexible operations. With one-click photo analysis, a report can be generated, making the operation more convenient.



## Function demo

PRODUCT TESTING

EIGHT SPECTRAL IMAGING

THREE-DIMENSIONAL SHOOTING

DATA CLOUD STORAGE

EIGHTEEN DETECTION INDICATORS

FILE MANAGEMENT

MICROSCOPIC EXAMINATION

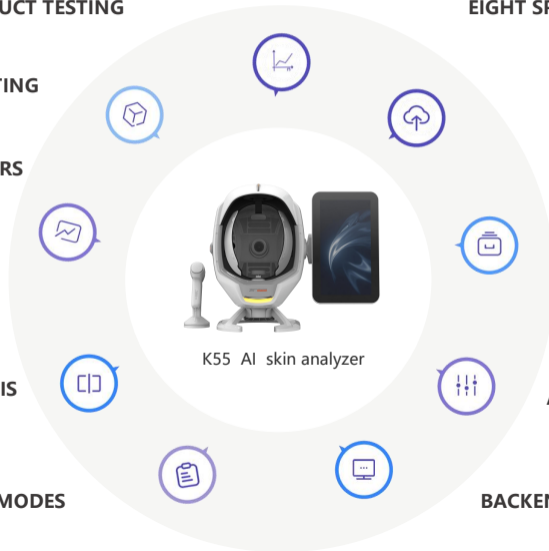
SKIN-COLOR DETECTION

THREE COMPARATIVE ANALYSIS  
MODES

ADJUSTING SKIN TEST RESULTS

THREE REPORTING MODES

BACKEND SYSTEM MANAGEMENT



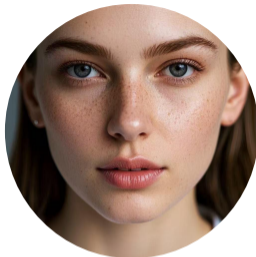
K55 AI skin analyzer

## Adapt to the scene



Analysis of **5** major symptoms

**30+** Detection dimensions



### Product analysis



Sunscreen

### Analysis of aging



Forehead lines



Dorsal nasal lines



Lines around the eyes



Crow's feet



Nasolabial folds

### Pigment analysis



Mole



Freckles



Acne marks



Spots



UV spot



Pigment green chart

### Sensitive analysis



Acne



Redness



Acne rosacea



Barrier

### Skin quality analysis



Pores



Porphyrin



Wrinkle



Moisture



Skin color

## Home page

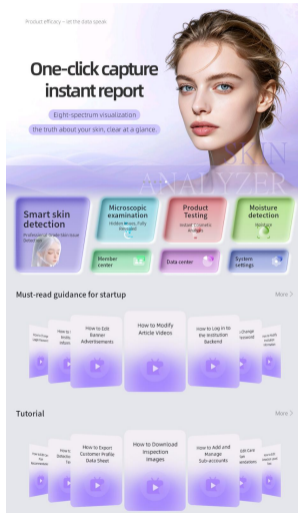
Smart skin detection

Product testing

Member center

System settings

Tutorial



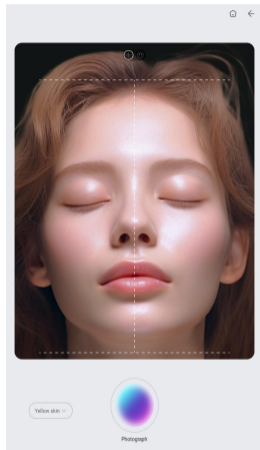
Microscopic examination

Moisture detection

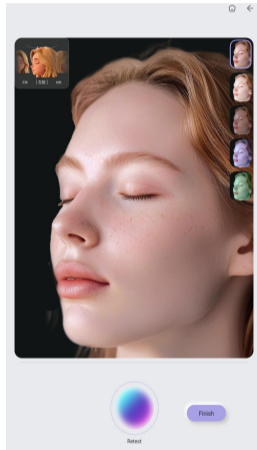
Data center

Must-read guidance  
for startup

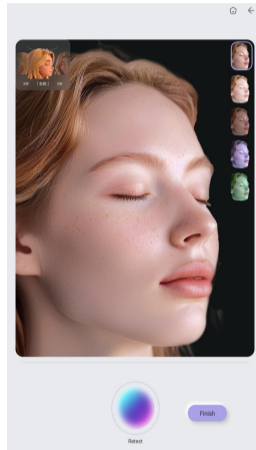
## 3D Panoramic view



Front face

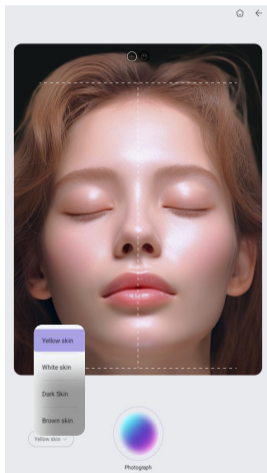


Left cheek



Right cheek

## Industry pioneer - **customized skin color testing**



**Yellow skin**

**White skin**

**Black skin**

**Brown skin**



K55 AI Skin analyzer

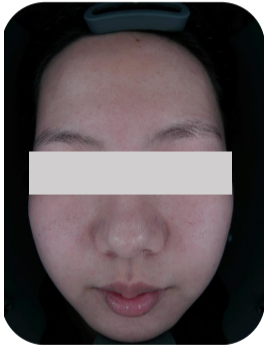
02

IMAGE  
ANALYSIS  
AND CORE  
INDICATORS

## • Eight spectral images



## Eight spectral image analysis



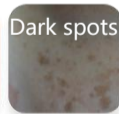
White light

### THEORY

Visible spots and other blemishes on the skin surface (acne, spots, wrinkles, pores, etc.) under natural light sources, which are mainly used as the basis for other spectral image comparison.



Acne



Dark spots



Wrinkle



Pore

## Eight spectral image analysis

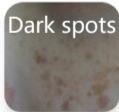


**Negative polarized light**

### THEORY

Using negative polarized technology to filter out the refracted light on the skin surface, so that you can clearly examine the light brown, tan, dark brown, light yellow or dark red skin lesions; It can distinguish the condition of capillaries, facial acne, uniformity skin and other skin problems.

Dark spots



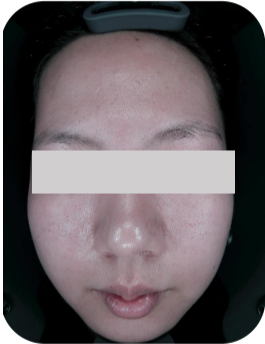
Pigment



Acne



## Eight spectral image analysis



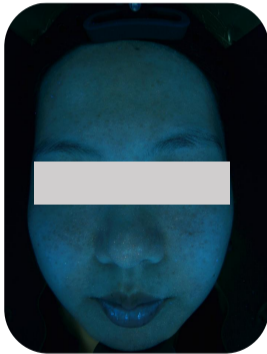
Positive polarized light

### THEORY

Positive polarized light can improve the clarity of superficial texture, magnify local details, so as to clearly observe the smoothness of skin, fine lines and wrinkles and bumps (wrinkles, pores, Acne scars, Acne, etc).



## Eight spectral image analysis



Wood' s light

### THEORY

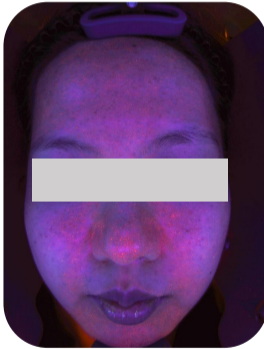
Wood' s light can detect deep pigments in dermis. The principle behind this is that melanin does not fluoresce after exposure to ultraviolet radiation, allowing melanin to stand out more clearly with stronger contrast.

Spots

Spots

Fluorescence

## Eight spectral image analysis



UV light

### THEORY

Under UV light source, the content and distribution of the purple pigment bilirubin are displayed clearly through fluorescence, which can be used for the auxiliary diagnosis and efficacy observation of pigmentary dermatoses, pore issues, skin infections, and porphyria.



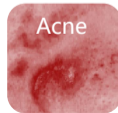
## Eight spectral image analysis



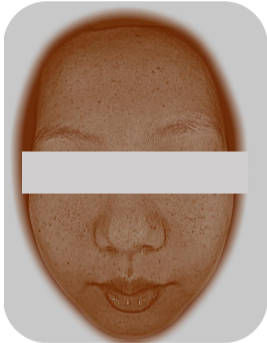
Red light

### THEORY

Using the RBX light source technology, it is applied for analyzing the subcutaneous hemoglobin on the face as well as inflammatory pigmentation (such as sensitive skin, lesions, acne, red blood vessels, etc, which are skin inflammatory conditions)



## Eight spectral image analysis



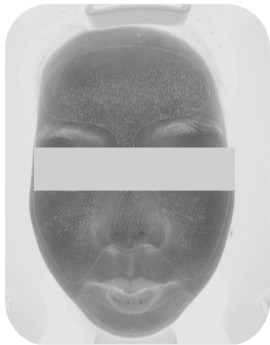
**Brown light**

### THEORY

The position, area, shape, and severity of subcutaneous facial UV spots are processed by using RBX light source technology, which demonstrate skin damage from UV radiation and the accumulation of subcutaneous melanin.



## Eight spectral image analysis



Mixed light

### THEORY

Skin texture roughness and collagen loss were revealed by polarizing analysis.

Rough  
texture

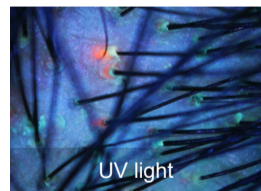
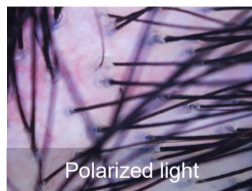
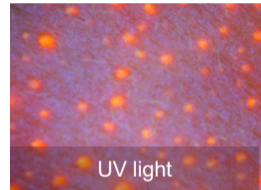
Wrinkle

## Eighteen testing indicators



## Thirty detection functions - **microscopic detection**

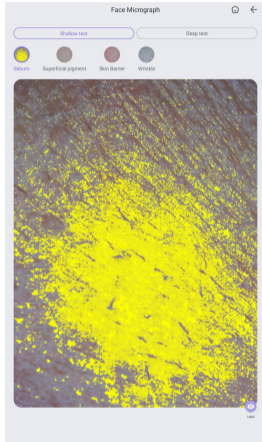
- Microscopic imaging of skin details presentation



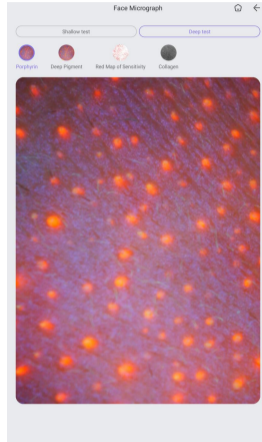
**Handheld skin microimager**

**Multiple light source targeting analysis**

# Microscopic examination - eight aspects of skin details



Skin surface test

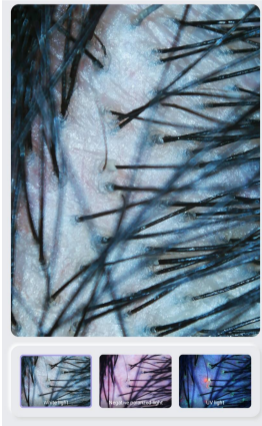


In-depth test



Handheld skin microimager

## Microscopic examination - scalp details

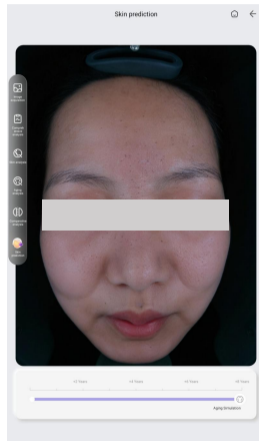


Multiple light sources  
detect skin problems



Handheld skin microimager

## Thirty detection functions - skin prediction

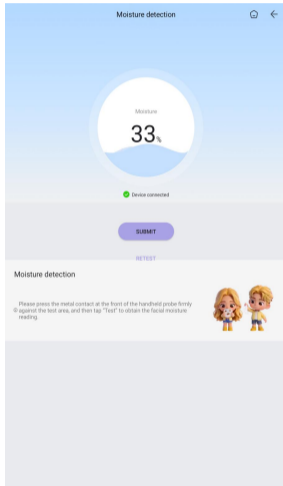


**Aging simulation**

Deeply predict the future of the skin and awaken customers' desire for young skin.

According to the current skin condition of the customer, through the training of AI large model, simulate the skin condition after customer care and the aging situation of different age groups.

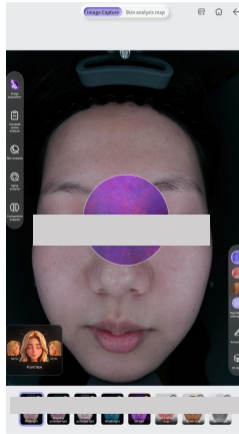
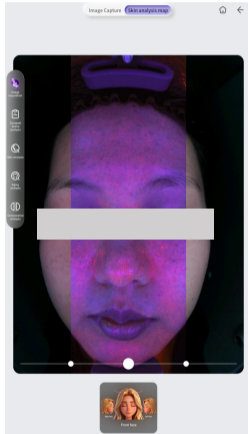
# Thirty detection functions - moisture detection



## Thirty detection functions - analysis diagram + skin substrate visualization

### Analysis diagram

Through white light, negative polarized light and UV light source comparison, multi-dimensional, deep analysis of skin problems.



Click the bottom of the skin perspective button on the right to expand three icons: UV light image, hemoglobin image, and brown image. Drag the perspective mirror freely to compare issues such as pigmentation, redness, and skin inflammation between the superficial and basal layers of the skin.

## Thirty detection functions - **birthday reminder function**

Create New Profile

Username Please enter

Gender  Male  Female

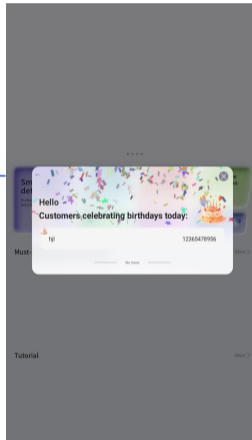
Birthday Please select

Contact information Please enter

Consultant Please enter

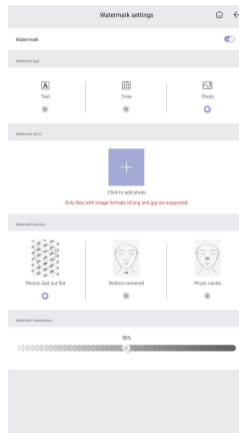
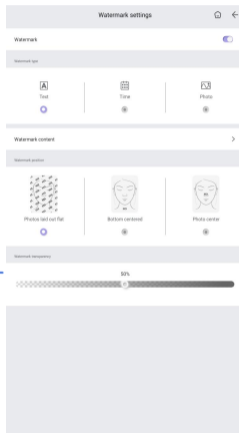
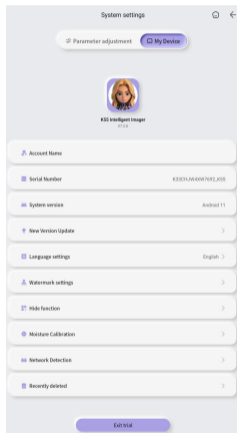
Skin Tone

Save



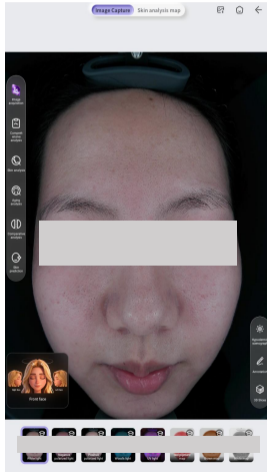
Automatically send out the list of customers whose birthdays are on that day, in order to enhance customer retention.

# Thirty detection functions - watermark function



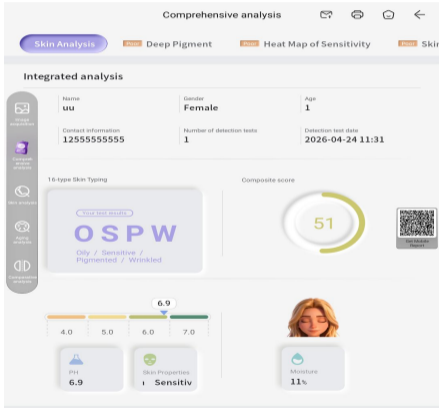
Customizable  
text watermark,  
image watermark

## Thirty detection functions - 3D slicing function



3D slicing is the core function of layered scanning, tomographic imaging, and data quantification of different layers of the skin (epidermis, superficial dermis, etc.), which can intuitively present the health status and problem distribution of the deep layers of the skin.

## Thirty detection functions - **ph, skin properties**



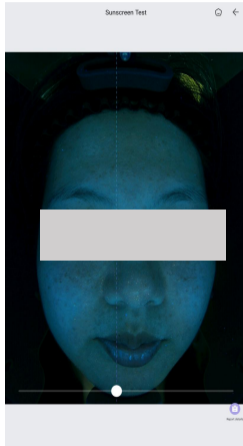
### PH

Healthy skin is usually weakly acidic (pH 4.5–6.5), which helps maintain the skin barrier, lock in moisture, and inhibit bacteria. It helps determine: whether the skin is too acidic / too alkaline, whether the barrier is fragile, and whether it is prone to sensitivity, dryness, oiliness, redness, etc.

### Skin properties

Intelligently identifies skin types and provides a scientific basis for daily skincare and product selection.

# Thirty detection functions - product detection functions



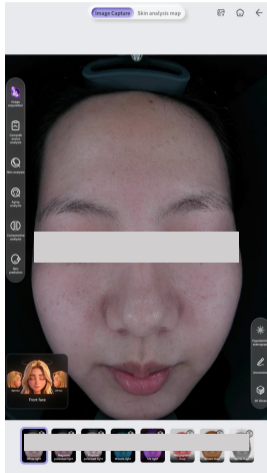
Science basics

Problem analysis

Care tips

Program recommendation

## Thirty detection functions - **annotation pen**



The annotation function uses tools to annotate visible skin issues (such as redness and spots) on images, visually displaying the condition and facilitating the explanation of skincare advice.

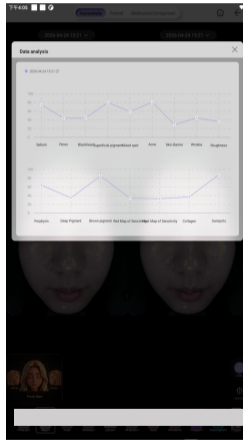
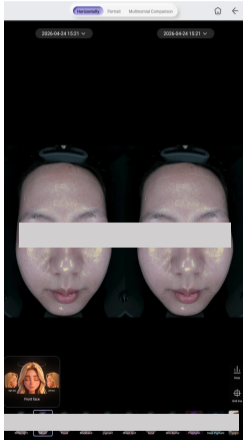


K55 AI Skin analyzer

03

ANALYSIS  
AND  
REPORT

# Three contrast modes

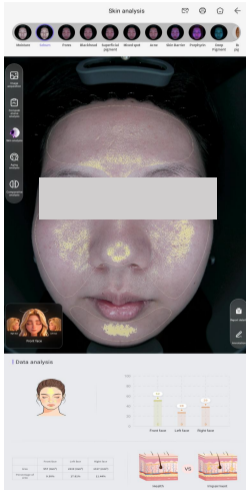


Data analysis



Data comparison

# Three comparison modes - single independent report 1

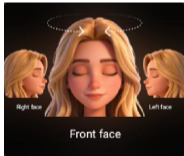


- 1.Score
- 2.Level
- 3.Quantity
- 4.Area
- 5.Proportion

Enable consumers to accurately understand their skin problems

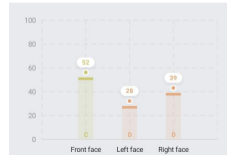
Accurately quantify the underlying effects and empower doctors to treat

Divided into 5 levels from high to low according to skin condition and labeled with different colors:  
A Green B Blue C Yellow D Orange E Red

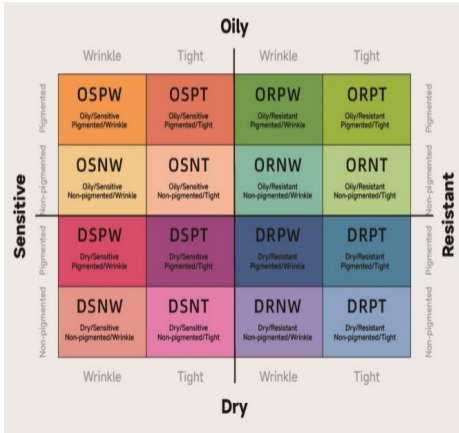


**Multidimensional perspective**

Manual selection, comprehensive image display from multiple angles



# The classification of 16 skin types in baumann skin typing system



16Type	Explanation	16Type	Explanation
<b>DSPT</b>	Dry, Sensitive, Pigmented, Tight	<b>OSPT</b>	Oily, Sensitive, Pigmented, Tight
<b>DSPW</b>	Dry, Sensitive, Pigmented, Wrinkle	<b>OSPW</b>	Oily, Sensitive, Pigmented, Wrinkle
<b>DSNT</b>	Dry, Sensitive, Non - Pigmented, Tight	<b>OSNT</b>	Oily, Sensitive, Non - Pigmented, Tight
<b>DSNW</b>	Dry, Sensitive, Non - Pigmented, Wrinkle	<b>OSNW</b>	Oily, Sensitive, Non - Pigmented, Wrinkle
<b>DRPT</b>	Dry, Resistant, Pigmented, Tight	<b>ORPT</b>	Oily, Resistant, Pigmented, Tight
<b>DRPW</b>	Dry, Resistant, Pigmented, Wrinkle	<b>ORPW</b>	Oily, Resistant, Pigmented, Wrinkle
<b>DRNT</b>	Dry, Resistant, Non - Pigmented, Tight	<b>ORNT</b>	Oily, Resistant, Non - Pigmented, Tight
<b>DRNW</b>	Dry, Resistant, Non - Pigmented, Wrinkle	<b>ORNW</b>	Oily, Resistant, Non - Pigmented, Wrinkle

# Three reporting modes - comprehensive analysis report 2



16-Type skin classification and comprehensive score

PH, skin properties, moisture

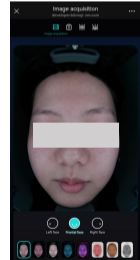
Scan the QR code

Suggestions

Single-Item analysis

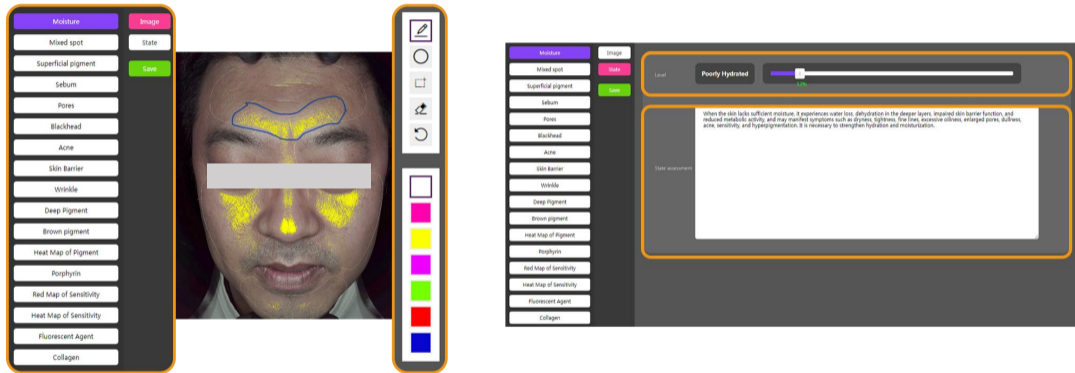
Program recommendation

The normal PH value of facial skin is concentrated between 4.5 and 6.5  
Skin properties: divided into dry skin, oily skin, normal skin, combination skin, and sensitive skin



H5 Mobile phone report

## Three reporting modes - comprehensive analysis report 3



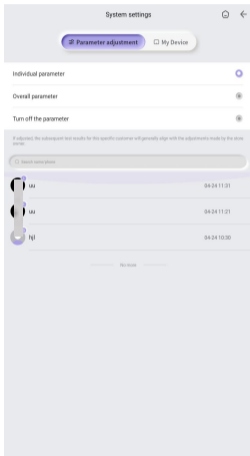
The background automatically selects the image to be edited for annotation

Customize any test results you want

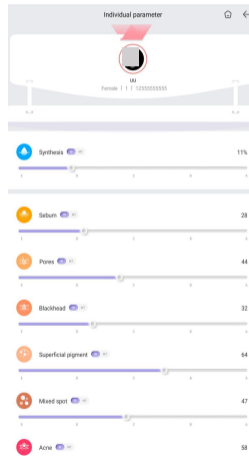
You can debug results for each indicator

Free copy editing

# Parameter adjustment



Parameter adjustment

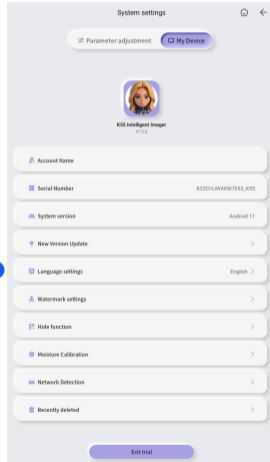


Data result optimization manual debugging

It can be adjusted as a whole

## My device

The language can be adjusted



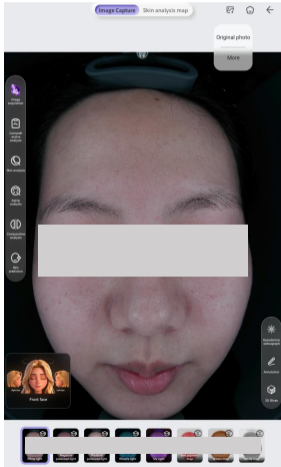
Serial number

You can find the instrument problem through the background and solve it.

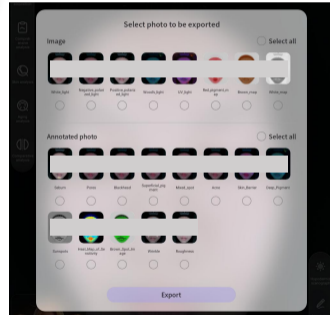
Hide function

You can turn on or off the skin prediction and skin age functions by yourself.

## Image export function



Export image



Multi image export

# Data center

## Statistics

The number of people entering the store in a month or a year can be displayed more intuitively through the line chart

## Gender ratio

He men and women who enter the store can see the ratio of male and female women who enter the store through the data form more clearly and intuitively

## Proportion of issues

In the form of data, the current population is divided into five levels with different colors to represent the data in each indicator



## Age distribution

Through the age division of the number of people entering the store in the form of data.

## Backend management

A diagram showing four hexagonal nodes arranged in a horizontal line, each containing a text description of a backend management feature. The nodes are connected by a faint, light blue grid pattern. The nodes are colored in shades of blue, with the second and third nodes being a darker blue than the first and fourth.

**Recording  
nursing project  
freely**

**Unified  
management of  
multiple  
equipments**

**Customer profile  
management  
in real-time**

**Review  
and edit  
detection record  
in real-time**



K55 AI Skin analyzer

04

HARDWARE  
SPECIFICATIONS

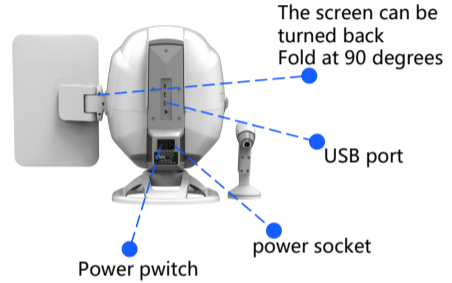
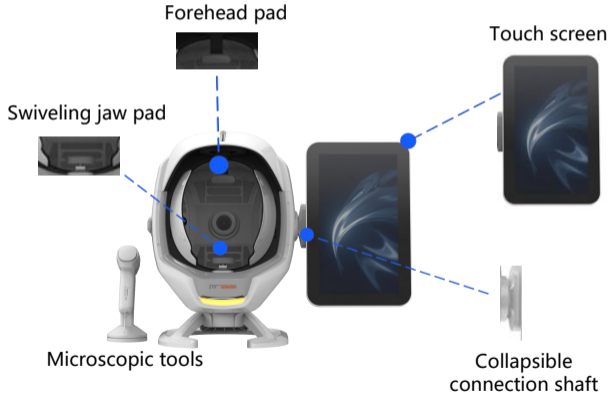
# Parameters

## Parameter information

**K55**

Type number	K55
Image element	Industrial grade 36 million
Light spectrum	White light, positive polarization, negative polarization, Wu, UV, erythroid, brown, white
Shading mode	Semi-open
Product material	Industrial grade ABS
Electric source	AC100-260V,50/60Hz
Product size	637 x 433 x 520mm (after folding: 424 x 433 x 520mm)
Central processing unit	The RK3568 quad-core Cortex-A55 has a maximum frequency of 2.0GHz
Main plate	R10-S9810 motherboard with Android11 system
Internal memory	Dual channel LP DD R4, 4G
Hard disk	MMCS_1, 32G
Mode of operation	Multipoint capacitive touch
Screen feature	It folds 90 degrees
WIFI	Built-in dual-band WIFI(2.4G, 5G)
HDMI	1 Pcs
USB	3 Pcs
Screen scale	16:9
Screen size	15.6 inches
Screen pixel	1920 * 1080
Net weight of instrument	10.5 KG
Packing weight	15.9 KG
Box size	600 * 575 * 635 mm
Packaging material	Corrugated paper + pearl cotton
Other accessories	Palm-Sized Microscopic Imager, power cord

## Hardware parameters



# Display of product patents, testing reports, and certification certificates



**Welcome you join us!**