

K71 AI Skin Analyzer

LEAD TECHNOLOGY CREATE BEAUTY

COMPREHENSIVE UPGRADE OF COLLECTION, IMAGING, DATA, AND EFFICIENCY

Catalogue

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**Function
coverage**

02

**Skin imaging
analysis**

03

**Scalp Image
Analysis**

04

**Hardware
Parameters**



K71 AI Skin Analyzer

01

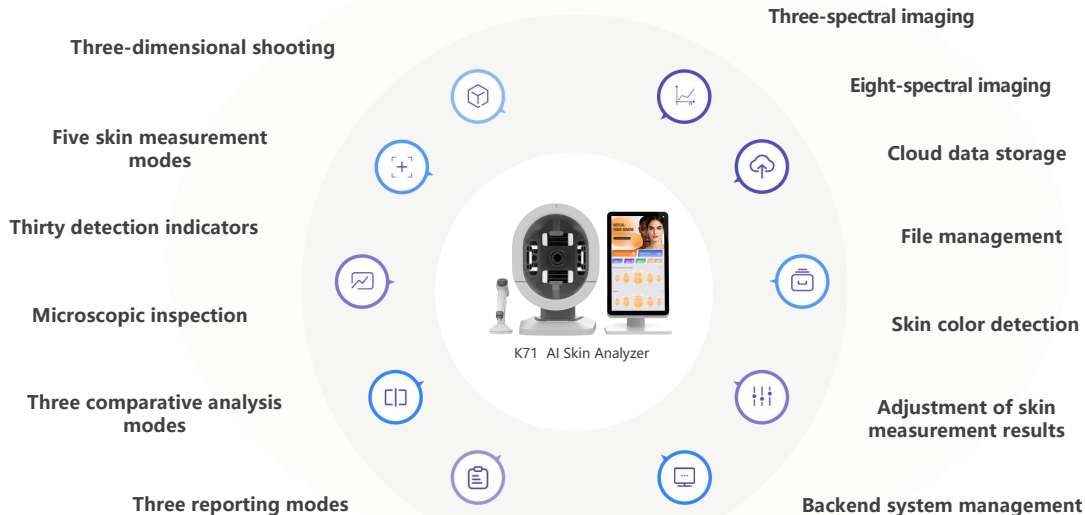
Function
coverage

K71 AI Skin Analyzer

The K71 AI Smart Imaging Device is designed with a core focus on addressing skin and scalp concerns, integrating ISP image processing technology, eight-spectrum light sensing imaging, and three-spectrum light sensing imaging to deliver professional, objective analysis. For facial skin, it accurately identifies 22 specific issues; for scalp health, it comprehensively captures eight key indicators. With a user-friendly design emphasizing flexibility and convenience, the device enables one-touch photo capture and report generation, making the assessment process efficient and intuitive, providing scientific support for skincare and scalp care.



Function coverage

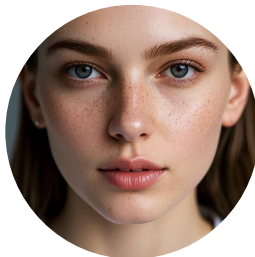


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[Smart skin detection](#)[Microscopic examination](#)[Moisture detection](#)[Data center](#)[Must-read guidance for startup](#)[Scalp analysis](#)[Product Testing](#)[Member center](#)[System settings](#)[Tutorial](#)

5 Major Symptom Analysis

30+ Testing Dimensions



Aging analysis



Frown lines



Wrinkles on the nose



Lines around the eyes



Crow's feet



Nasolabial folds



Droopiness



Jaw Angle

Sensitivity analysis



Acne



Red blood vessels



Rosacea



Barrier

Product analysis



Sunscreen

Skin color analysis



Skin Tone

Pigment analysis



Nevi (moles)



Freckles



Acne Scars



Spots



UV Spots



Pigment Green Map



Skin color analysis

Skin texture analysis



Pores



Porphyrin

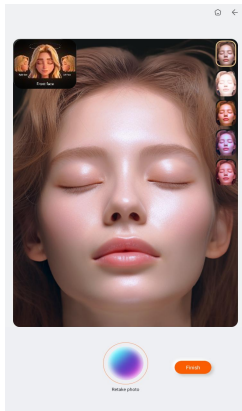


Wrinkles

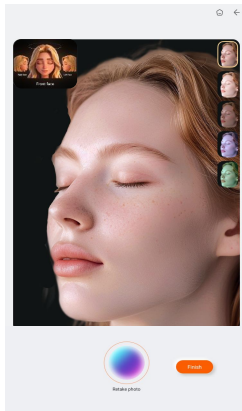


Moisture

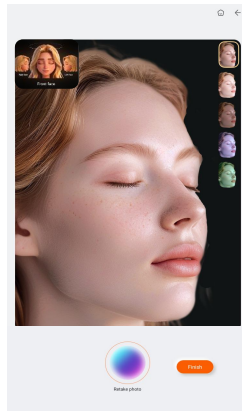
Three-dimensional shooting



Front Face

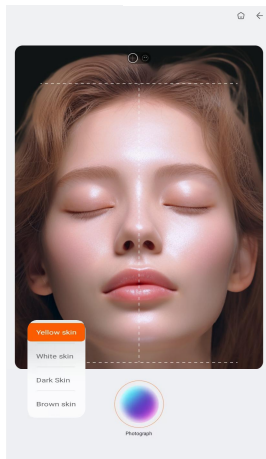


Left Face



Right Face

Industry's First - Customized Testing by Skin Color



Yellow skin

White skin

Dark skin

Brown skin

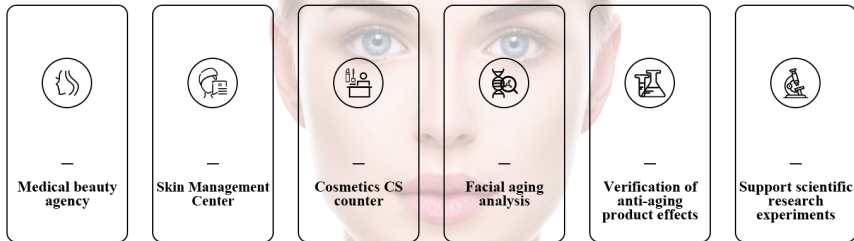
Industry-first - Customized Detection Based on Skin Color



Models from multiple perspectives show changes based on skin color selection

Industry-first skin detection model based on skin color, optimizing detection algorithms and evaluation dimensions for different ethnicities and skin characteristics

Applicable Scenarios



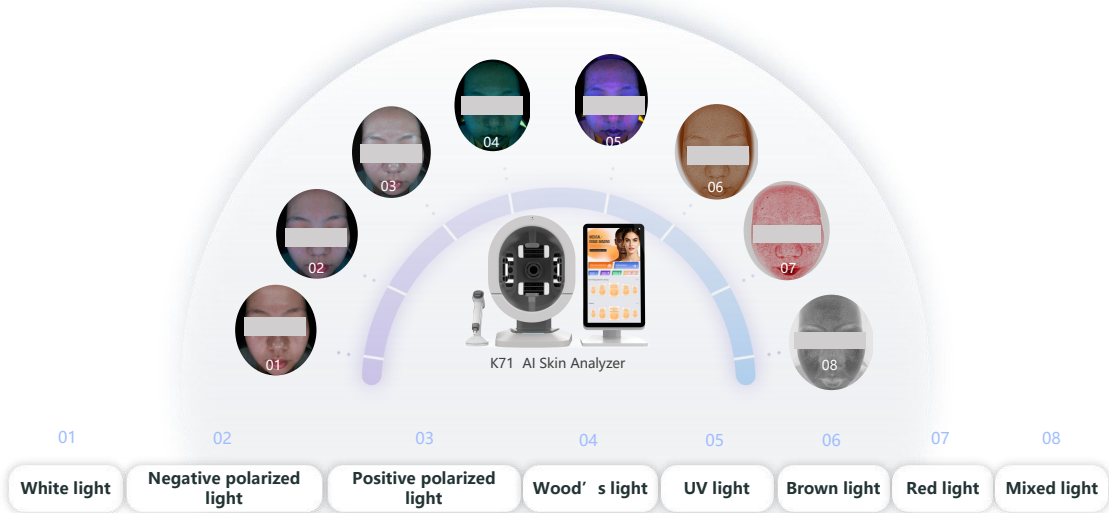


K71 AI Skin Analyzer

02

Skin Image
Analysis

- Skin octospectral imaging presentation



Eight-spectrum 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.



**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.

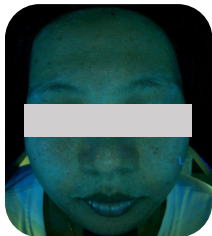
Eight-spectrum image analysis



**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).

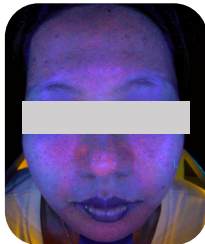


Wood' s light

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.

Eight-spectrum 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.



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-spectrum 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.

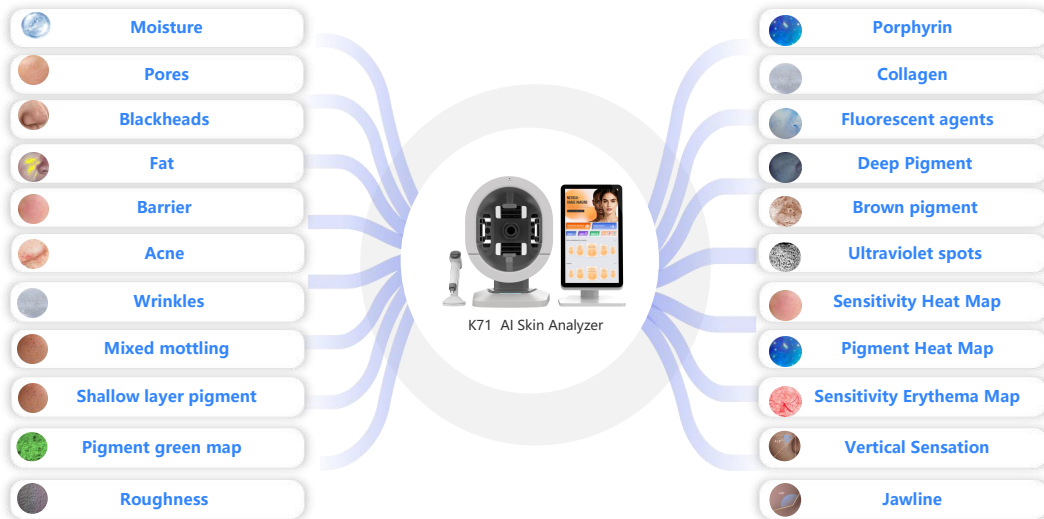


Mixed light

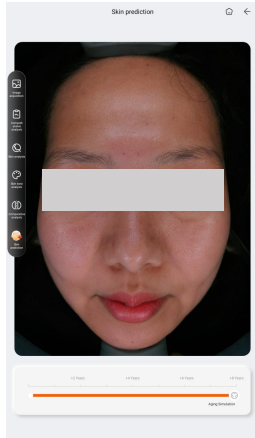
Theory

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

Twenty-two detection indicators



45 Testing Functions - Skin Prediction



Deeply predict the future of the skin, awakening customers' desire for youthful skin

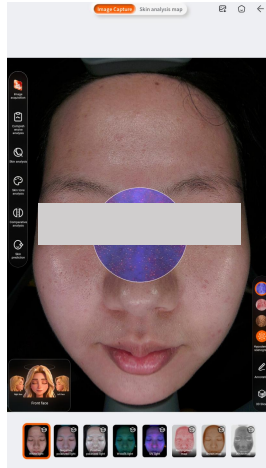
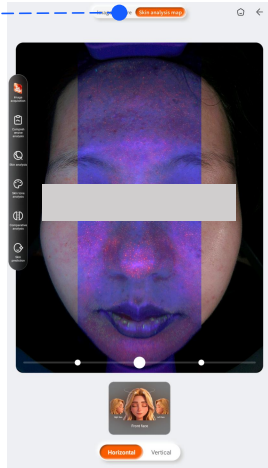
Based on the current skin condition of the customer, using AI algorithms to simulate aging scenarios over the next 2-8 years, realizing skin age aging prediction

Skin Prediction

45 Testing Functions -Skin analysis map + Dermal Perspective

Skin analysis map

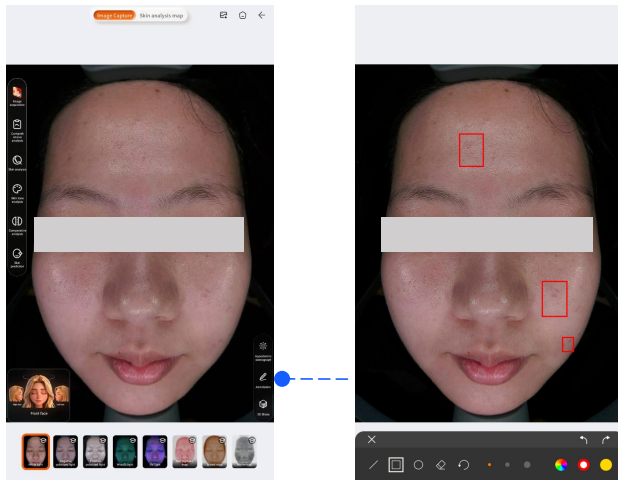
Through comparisons using white light, negative polarization light, and UV light sources, we conduct a multi-dimensional and in-depth analysis of skin problems.



Click the dermal perspective button on the right to expand the icons for UV light chart, redness chart, and brown chart. You can freely drag the perspective lens to compare issues such as superficial pigmentation, red blood vessels, and skin inflammation in the superficial and basal layers of the skin.



45 Testing Functions - Annotation Pen



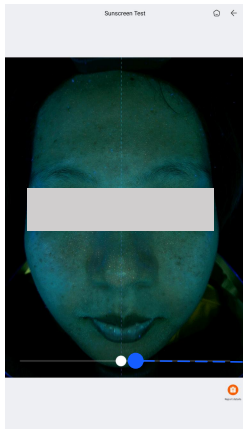
The annotation function uses tools to mark visible skin issues on images (such as redness and spots), intuitively displaying conditions to facilitate explanations of skincare advice.

45 Testing Functions - 3D Slicing Function



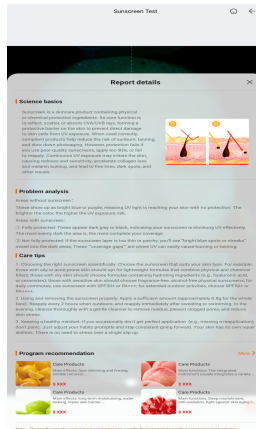
3D slicing is the core function for layered scanning, imaging, and data quantification of different levels of skin (epidermis, superficial dermis, etc.), which can visually present the health status and issue distribution of the deeper layers of skin.

45 Testing Functions - Product Testing Functions



Sun Protection Testing Comparison

Slide the cursor left and right to compare the effects before and after applying sunscreen



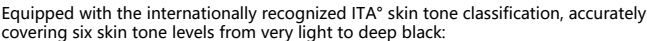
Science basics

Problem analysis

Care tips

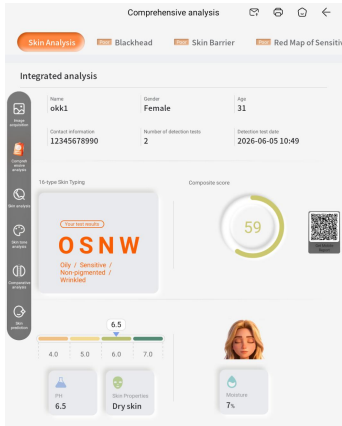
Program recommendation

45 Testing Functions - Skin Color Analysis



Level	ITA° Range	Brief description
Level 1 (Very Light)	> 55°	Fair skin, delicate complexion, daily attention to sun protection and preventing photoaging is necessary.
Level 2 (Light)	41°~55°	Light complexion, prone to redness from sun exposure, consistent sun protection is recommended.
Level 3 (Medium)	28°~41°	Healthy natural skin tone, stable skin condition, basic sun protection is sufficient for daily use.
Level 4 (Tanned)	10°~28°	Sun exposure can cause tanning; it is necessary to strengthen sun protection and brightening care.
5 Level (Bronze)	-30°~10°	Healthy bronze skin tone, with a higher risk of pigmentation.
6 Level (Deep Black)	<-30°	Deep skin tone, active melanin, focus on moisturizing and stability maintenance.

45 Testing Functions - PH, skin properties, Skin Age



Skin Age

is a quantitative indicator of the true aging state of the skin. By manually labeling samples from individuals over 18 years old and utilizing deep learning and feature extraction from AI large models, skin age is accurately calculated. This identifies the root causes of looking "aged" and reflects the health of core anti-aging dimensions such as collagen, wrinkles, and pigmentation.

pH

Healthy skin typically has a weakly acidic pH (4.5~6.5), which helps maintain the skin barrier, retain moisture, and inhibit bacteria. It can assist in determining whether the skin is acidic or alkaline, whether the barrier is weak, and whether issues such as sensitivity, dryness, oiliness, or redness are present.

Skin Attributes

Intelligently identifies skin type, providing a scientific basis for daily skincare and product selection.

45 Testing Functions -Birthday reminder function

Create New Profile

Create New Profile

Username Please enter

Gender ☒ Male ☐ Female

Birthday Please select

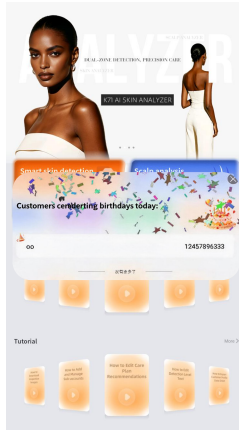
Contact information Please enter

Consultant Please enter

Skin Tone

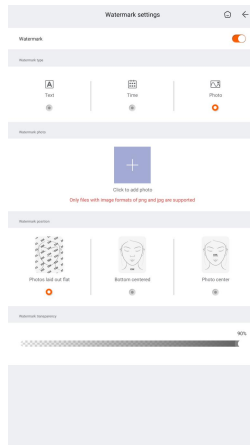
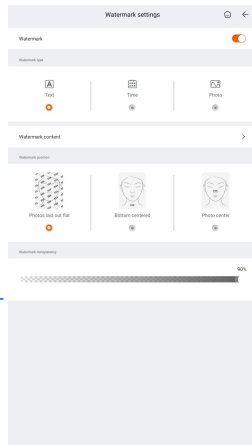
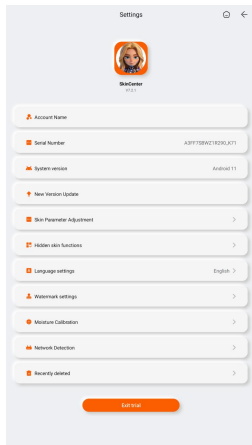
☒ ☐ ☐ ☐

Save



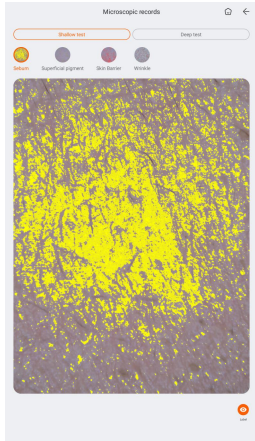
Automatically push the list of customers with birthdays on the same day to increase customer loyalty.

45 Testing Functions - Watermark function

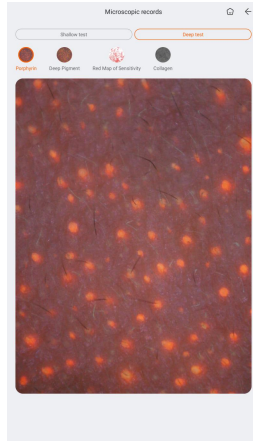


Customizable text
watermarks, time
watermarks, and image
watermarks

45 Testing Functions - Microscopic skin detection



Shallow Detection



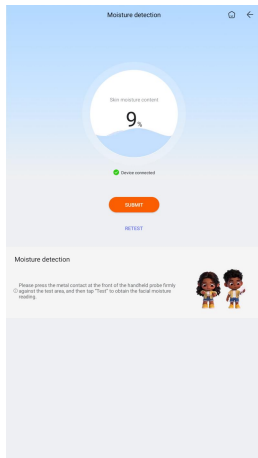
Deep Detection



Handheld Skin Microimaging Device

**Eight Micro Detection
Indicators
Multiple Light Sources Detect
Skin Issues**

45 Testing Functions -Moisture detection



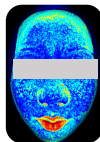
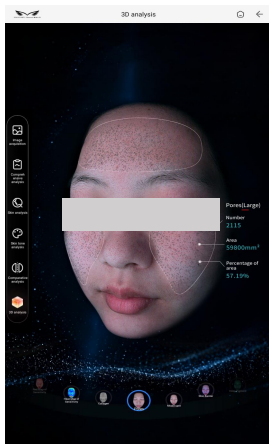
Popular Science Knowledge

Problem analysis

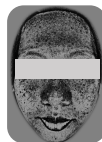
Daily skincare advice

Program recommendation

45 Testing Functions -3D Analysis



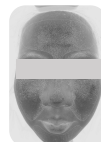
Heat Map of Sensitivity



Sunsports



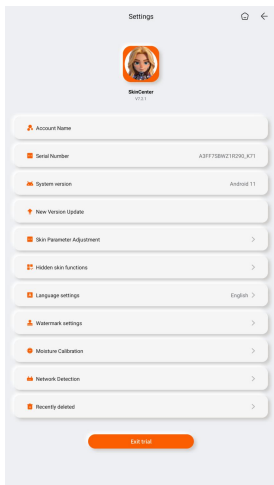
Red Map of Sensitivity



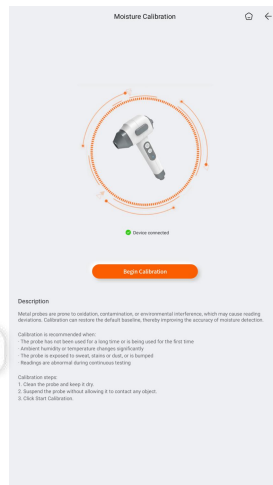
Collagen

3D Stereo Analysis reconstructs the 3D facial skin contour. It supports nine core skin-detection metrics: mixed pigment, deep pigment, brown pigment, UV spot, red map of sensitivity, heat map of sensitivity, collagen, pores and skin barrier. It can quantitatively calculate pore count, actual area and area proportion, and intuitively display pore texture conditions with objective data to analyze pore-related issues from multiple dimensions.

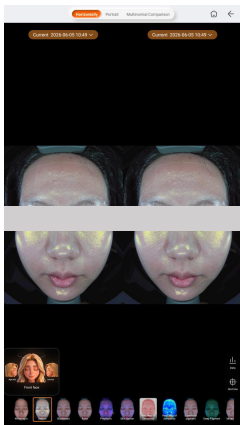
Moisture Calibration Function



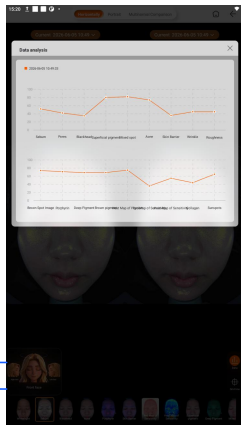
Moisture Calibration



Comparison Mode



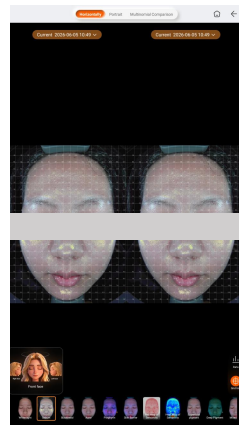
Comparison Mode



Data Analysis

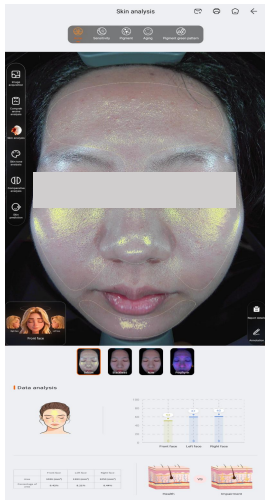


Data Comparison



Grid Lines

Three Report Modes - Individual Independent Report 1



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

Allow consumers to accurately understand their skin problems

Accurate quantification of underlying effects empowers doctors in treatment.

Grade A (100–81 points): Good
 Grade B (80–61 points): Average
 Grade C (60–41 points): Poor
 Grade D (40–21 points): Warning
 Grade E (20–0 points): Serious

Divided into 5 levels from high to low according to skin condition, marked with different colors:

A Green B Blue C Yellow D Orange E Red

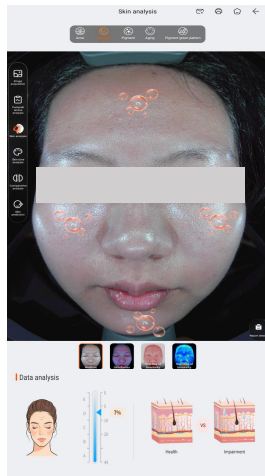


Multidimensional Perspective

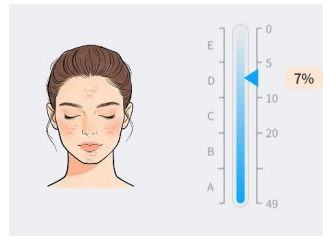
Manual selection, comprehensive imaging display from multiple angles



Three reporting modes - Individual Independent Report 1 - Moisture Detection Report

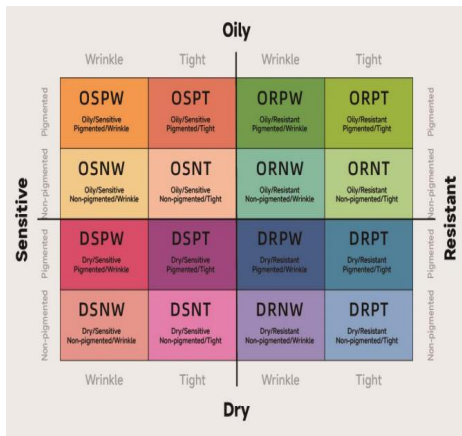


Moisture Data Analysis



Grade A (49 - 31 points) - Good
Grade B (30 - 21 points) - Average
Grade C (21 - 11 points) - Poor
Grade D (10 - 6 points) - Warning
Grade E (5 - 0 points) - Severe

Baumann 16-Type Skin Classification



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

Three reporting modes - Comprehensive Analysis Report 2



Personal Information

16-Type Skin Classification and Overall Score

PH, Skin Attributes, Moisture

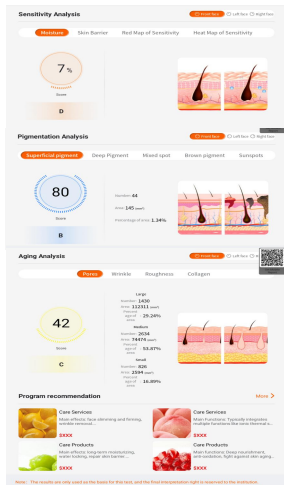
Normal facial skin pH values are concentrated between 4.5 and 6.5

Skin Attributes: divided into dry skin, oily skin, normal skin, combination skin, and sensitive skin

Suggestions

Acne Analysis

Three reporting modes - Comprehensive Analysis Report 2



Sensitivity Analysis

Pigmentation Analysis

QR Code

Aging Analysis

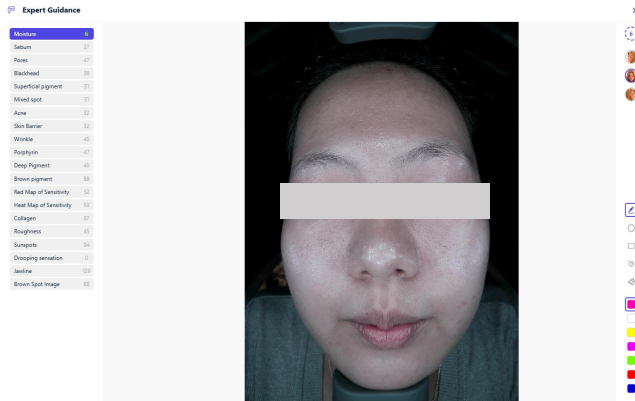
Scan the code with your phone
to get the report

Program recommendations



H5 Mobile Report

Three report modes - Innovative self-edited report 3



Select and annotate the
images you want to edit
in the backend.

Email report function



Send to

To Please enter your email

Subject Please enter the subject

Send

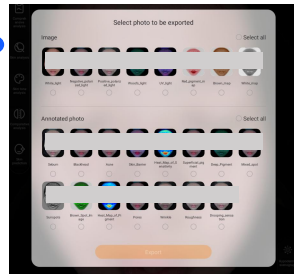
The report can be exported in PDF format and sent to the designated email address.

Image export function

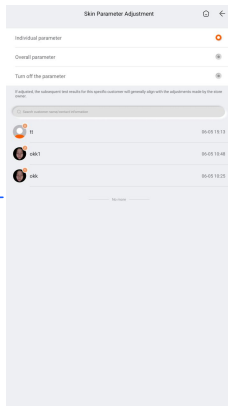
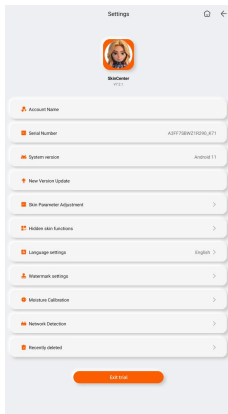


Export images

Exported images will be saved
in the local file explorer

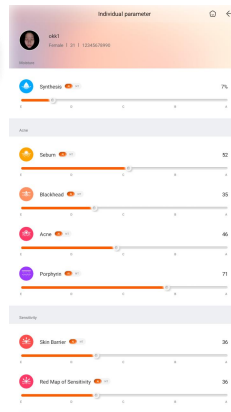


Parameter adjustment



Parameter
adjustment

Can be adjusted
individually or as
a whole



Data result
optimization
Manual
debugging



K71 AI Skin Analyzer

03

Scalp Image
Analysis

•Scalp Trispectral Imaging Presentation



White Light



Negative Polarized Light



UV Light

Trispectral Imaging Analysis

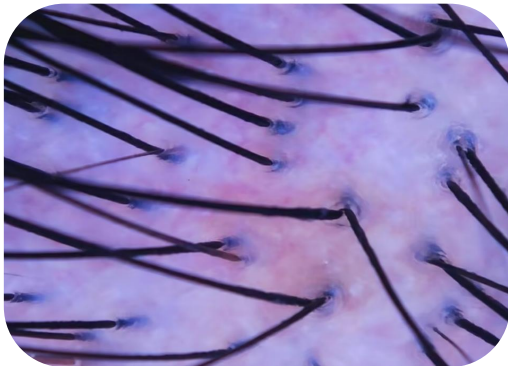


White Light

Theory

Under uniform illumination by natural light, with stray light filtered out, the scalp problems visible to the naked eye are clearly presented in the epidermal layer. The texture, skin grooves, and skin ridges of the scalp can be observed under white light. This method can be used to assess issues such as scalp color, hair density, hair thickness, and scalp sensitivity.

Trispectral Imaging Analysis

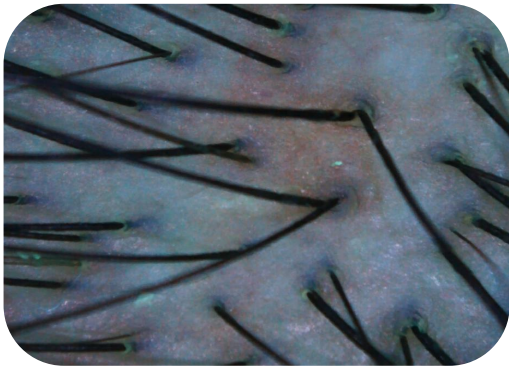


Negative Polarized Light

Theory

Special crossed polarizing lens groups are utilized to effectively reduce direct reflected light. The crossed polarization mode is formed by the light reflected from the basal and dermal layers of the scalp skin entering the lens. Since the basal and dermal layers are rich in melanin and hemoglobin, the crossed polarization mode is used to observe the deeper conditions of the scalp (basal and dermal layers), displaying symptoms such as capillary and pigment deposition states, including white hair, hair thickness, follicle health, dandruff, red blood vessels, sensitivity, inflammation, and aiding in the diagnosis and efficacy observation of pigment disorders in the scalp.

Trispectral Imaging Analysis



UV Light

Theory

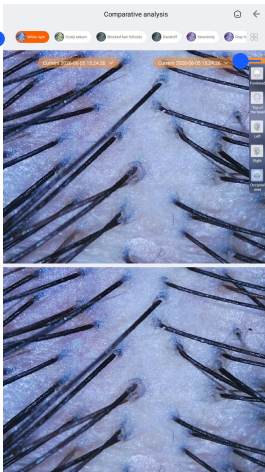
With a wavelength of 395nm, the cells and tissues of the scalp have a natural ability to convert invisible light into visible fluorescence, effectively turning the scalp skin into a light-emitting body. UV light penetrates the various layers of the scalp skin from the surface and excites different fluorescences, which are presented through imaging in the lens, allowing detection of issues such as follicular blockage, dandruff, and fluorescent agents.

Eight Testing Indicators



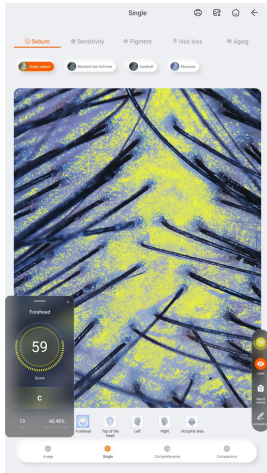
Comparative Analysis

Any single indicator can be selected for comparison



You can choose different times for comparison.

Scalp - Single Report



Data Score

Annotations

Report Details

Comments



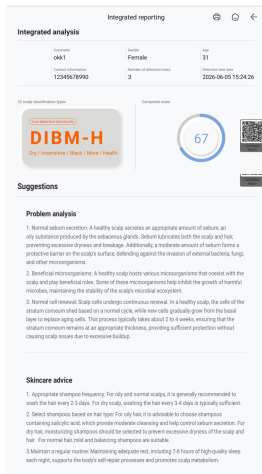
Popular Science Knowledge

Problem analysis

Daily skincare advice

Program recommendation

Scalp - Comprehensive Report

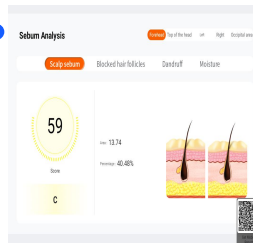


Personal Information

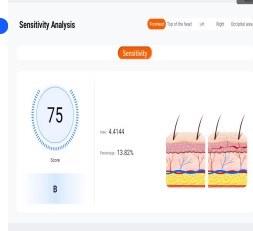
Type 32 Scalp and Comprehensive Score

Suggestions

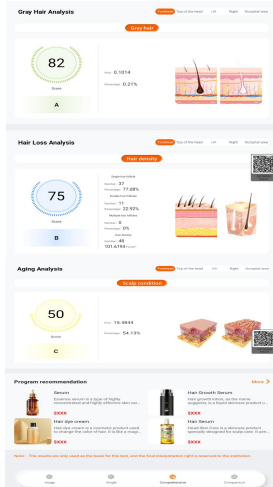
Sebum Analysis



Sensitivity Analysis



Scalp - Comprehensive Report



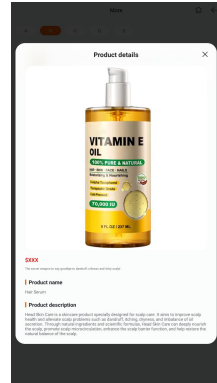
Gray Hair Analysis

Hair Loss Analysis

Aging Analysis

QR Code

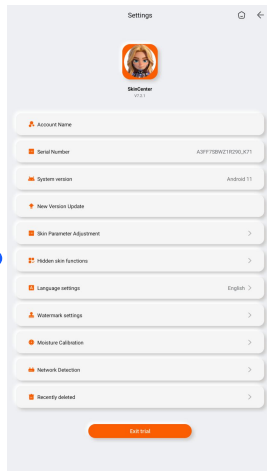
Program recommendation



My Device

Hidden skinfunctions

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

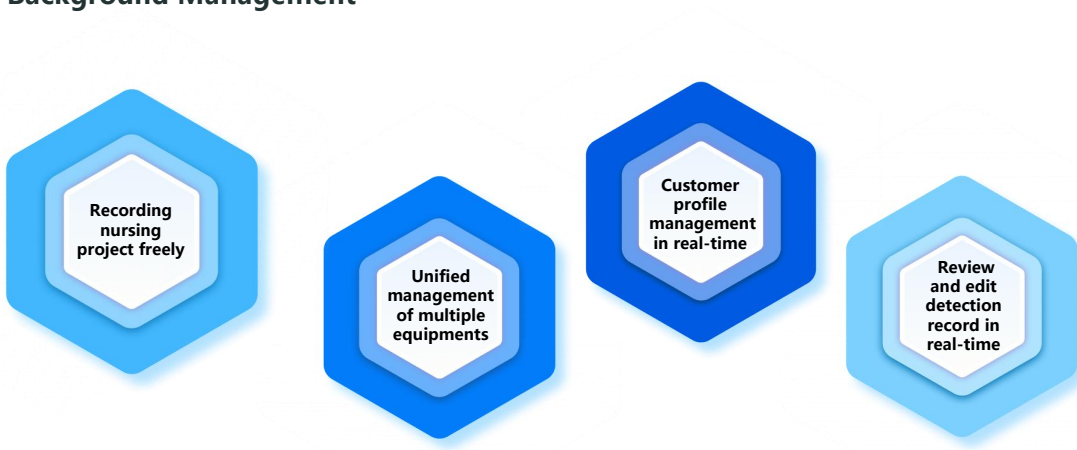


Serial Number

Instrument issues can be found and resolved through the background

Adjustable Language

Background Management



The diagram illustrates the 'Background Management' process through four interconnected hexagonal nodes. Each node consists of a light blue outer hexagon and a darker blue inner hexagon. The nodes are arranged in a horizontal line, with the first and last nodes being light blue and the middle two being dark blue. The text within each node is as follows:

- Recording nursing project freely
- Unified management of multiple equipments
- Customer profile management in real-time
- Review and edit detection record in real-time

Recording nursing project freely

Unified management of multiple equipments

Customer profile management in real-time

Review and edit detection record in real-time



K71 AI Skin Analyzer

04

Hardware
parameters

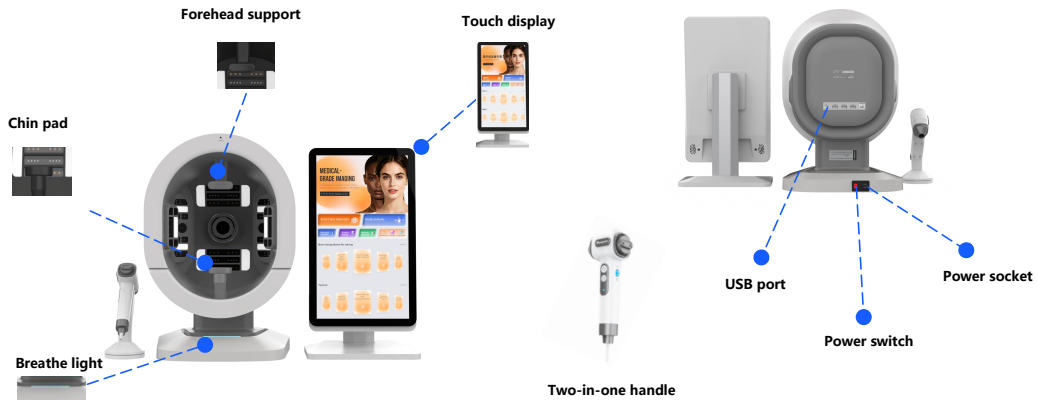
Hardware parameters

Parameter information

K71

Type number	K71
Image element	Industrial grade 48 million
Light spectrum	White light, positive polarization, negative polarization, Wu, UV, erythroid, brown, white,
Shading mode	Pull-down hood
Product material	Industrial grade ABS
Electric source	AC100-260V,50/60Hz
Product size	367 x 368 x 549 mm
Central processing unit	The RK3568 quad-core Cortex-A55 has a maximum frequency of 2.0GHz
Main plate	R10-S6810 motherboard with Android11 system
Internal memory	Dual channel LP DD R4, 4G
Hard disk	MMC25 -1, 32G
Mode of operation	Multipoint capacitive touch
Screen feature	Individual screen
WiFi	Built-in dual-band WiFi(2.4G, 5G)
HDMI	1 Pos
USB	3 Pos
Screen scale	16:9
Screen size	20.5 inches
Screen pixel	1920 * 1080
Net weight of instrument	Main unit: 8.5 KG; Independent screen: 5.6 KG
Packing weight	19.5 KG
Box size	610 * 530 * 660mm
Packaging material	Corrugated paper + pearl cotton
Other accessories	Multifunctional Micro-Inspection Handpiece, power cord

Hardware parameters



Display of Product Patents, Testing Reports, and Certification Certificates



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