K76-AI Intelligent Imager

LEAD TECHNOLOGY CREATE BEAUTY

Catalogue

01

Function coverage

K76 AI INTELLIGENT SKIN TESTER

K76 AI intelligent skin tester

The K76 AI intelligent imaging device is developed with the core focus on addressing skin and scalp issues. It integrates ISP image processing technology, eight-spectrum light sensing imaging technology, and three-spectrum light sensing imaging technology to achieve professional and objective detection and analysis.

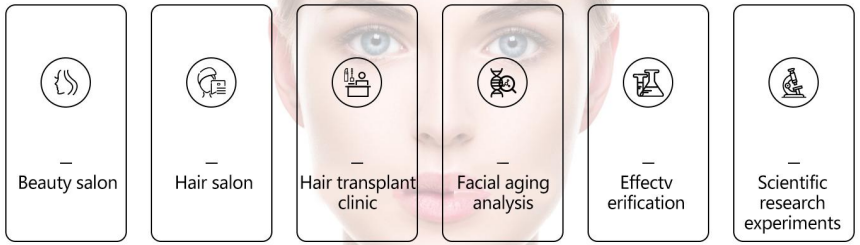
For facial skin, it can precisely identify 18 issues; for scalp health, it can comprehensively capture 9 indicators. The operation design adheres to the concept of flexibility and convenience, allowing for one-click photo taking and report generation, making the detection process efficient and intuitive, and providing scientific basis for skin and scalp care.

Function coverage

K76 AI intelligent skin tester

- Three dimensional shooting
- Three spectral imaging
- Two types of skin testing modes
- Eight spectrum imaging
- Thirty eight detection indicators
- Cloud data storage
- Three types of comparative analysis models
- Customer file management
- Three reporting modes
- Skin test result adjustment
- Back end system management

Applicable scene



02

Skin image analysis

K76 AI INTELLIGENT SKIN TESTER

Analysis of **4**major symptoms

30+detection dimensions

Aging analysis

Forehead lines | Dorsal nasal lines | Lines around the eyes | Crow's feet | Nasolabial folds

Sensitive analysis

Acne | Redness | Acne rosacea | Barrier

Pigment analysis

Mole | Freckles | Acne marks | Spots

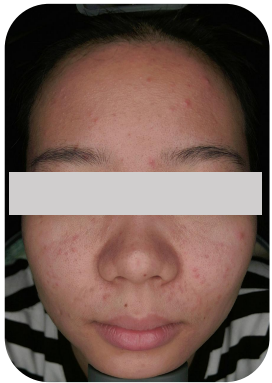
Skin type analysis

Pores | Porphyrin | Wrinkle | Moisture

Eight spectral images

01	02	03	04	05	06	07	08
White light	Negative polarized light	Positive polarized light	Wood’ s light	UV light	Brown light	Red light	Mixed light

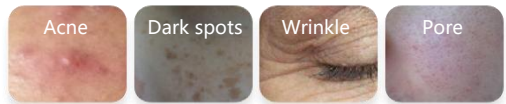
Eight spectral image analysis



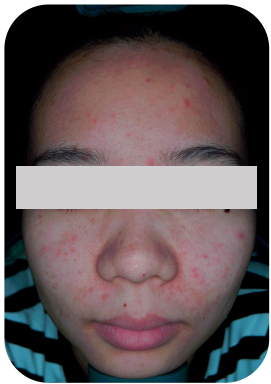
White light

Image analysis

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.



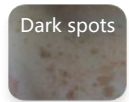
Eight spectral image analysis



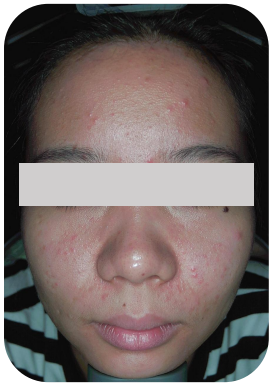
Negative polarized light

Image analysis

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.



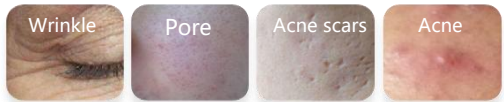
Eight spectral image analysis



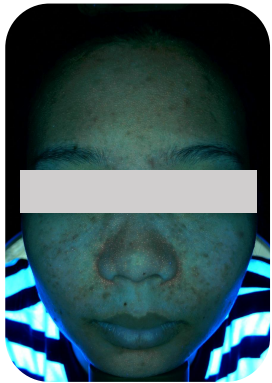
Positive polarized light

Image analysis

Positive polarized light can improve the clarity of superfacial 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).



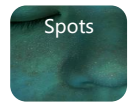
Eight spectral image analysis



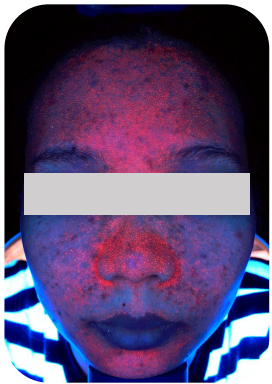
Wood’ s light

Image analysis

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 spectral image analysis

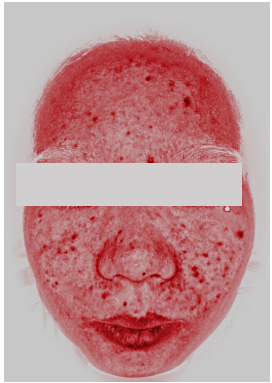


UV light

Image analysis

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.

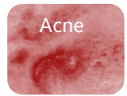
Eight spectral image analysis



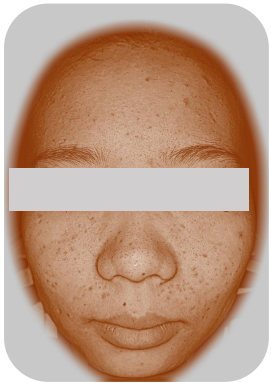
Red light

Image analysis

Used to analyze subcutaneous hemoglobin and inflammatory pigment deposition on the face, such as sensitivity, skin lesions, acne, erythema, etc.



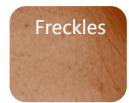
Eight spectral image analysis



Brown light

Image analysis

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

Image analysis

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

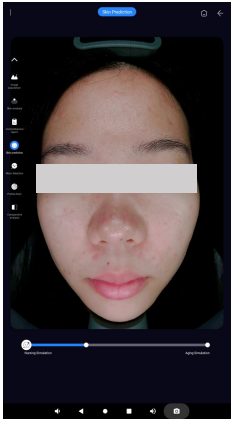
Twenty-seven testing indicators

- Moisture
- Pore
- Backhead
- Sebum
- Skin barrier
- Acne
- Wrinkle
- Mixed spot
- Superficial pigment

K76 AI intelligent skin tester

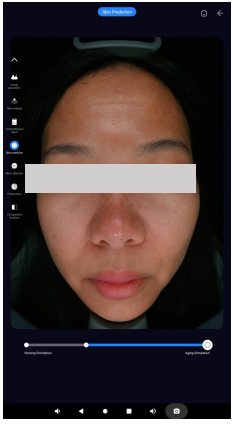
- Porphyrin
- Collagen
- Fluorescent agent
- Deep pigment
- Brown pigment
- Uitraviolet spots
- Heat map of sensitivity
- Heat map of pigment
- Red map of sensitivity

38 Detection functions - skin prediction



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

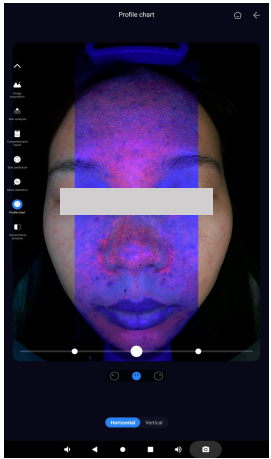
Based on the current skin condition of the customer, by training the AI large model, the skin condition after the customer's care and the aging situation of different age groups can be simulated.

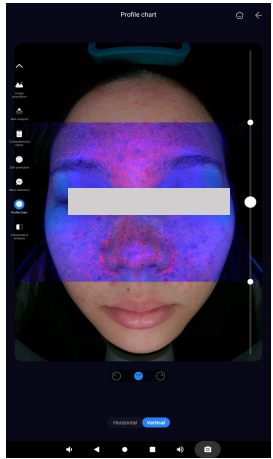


Nursing simulation

Aging simulation

38 Detection functions - profile chart

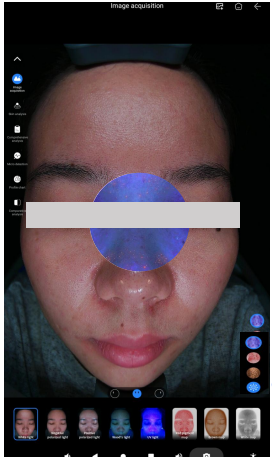




Profile chart

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

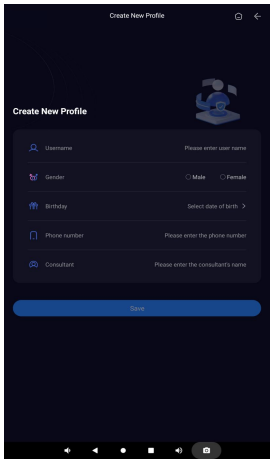
38 Detection functions - profile chart

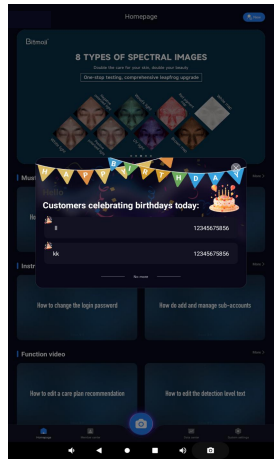


Skin underlayer Visualization

Clicking the "Muscle Layer Perspective" button on the right side will reveal three icons: the UV light map, the melanin map, and the brown map. You can freely drag the perspective lens to compare issues such as pigmentation, red blood vessels, and skin inflammation on the surface layer and the base layer of the skin.

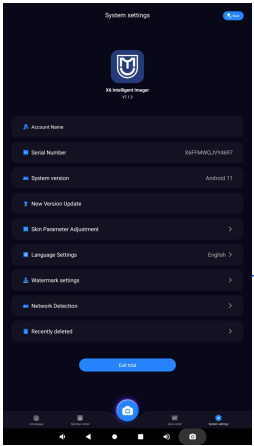
38 Detection functions - Birthday reminder function

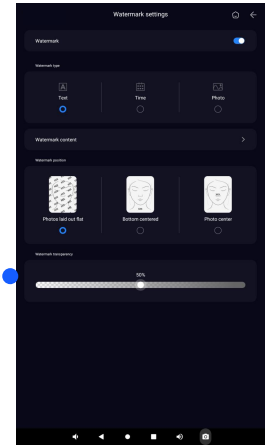


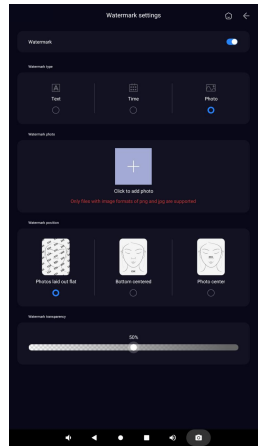


Automatically send out the list of customers whose birthdays are on that day, in order to enhance customer retention.

38 Detection functions - watermark function

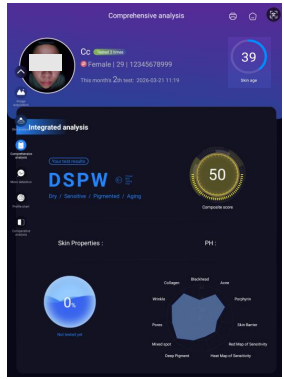






Customizable text watermark, image watermark

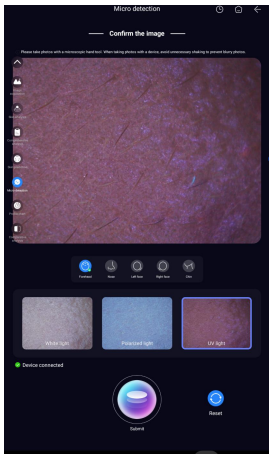
38 Detection functions - skin age



Skin age

Skin age is not the same as actual age. It is a quantitative indicator of the actual aging state of the skin. The X6 AI intelligent imaging device precisely calculates skin age through eight spectral wavelengths and AI algorithms, identifying the root causes of "apparent aging", and reflecting the health levels of core anti-aging dimensions such as collagen, wrinkles, and pigmentation.

38 Detection functions - microscopic skin examination



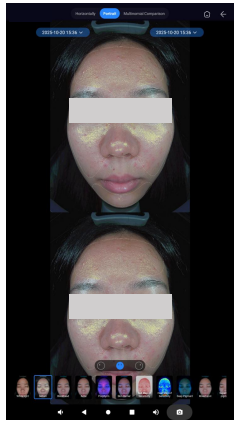
Local microscopic display

Multiple light sources detect skin problems

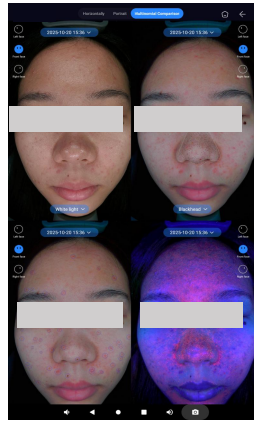
Multifunctional detection tool

Three contrast modes

Horizontal comparison

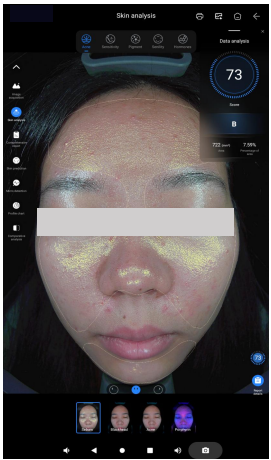


Vertical comparison



Multinomial contrast

Three reporting modes - independent single report 1



Introduction to data analysis

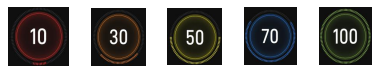
1. Score
2. Grade
3. Quantity
4. Area
5. Proportion

Enable consumers to precisely understand their own skin problems

Precisely quantify the underlying effects and empower doctors in their treatment.

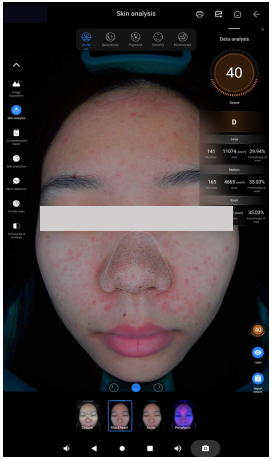
Data score

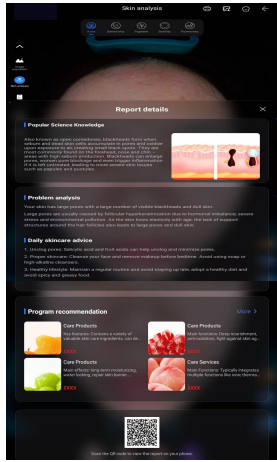
The skin condition is classified into 5 levels from high to low and marked with different colors:
A Green B Blue C Yellow D Orange E Red



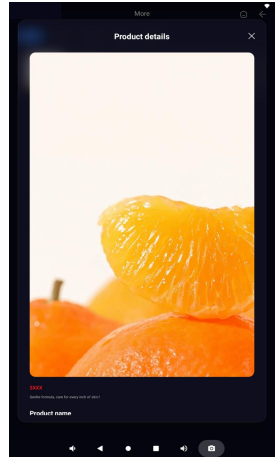
E D C B A

Three reporting modes - independent single report 1

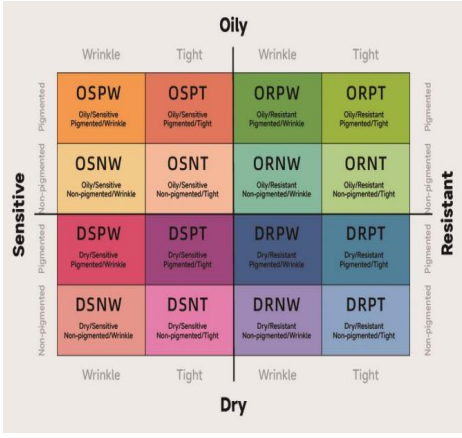




- Popular science knowledge
- Problem analysis
- Daily skincare advice
- Program recommendation
- Download the report



Baumann 16-type skin classification system



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 and muscle age

Integrated analysis

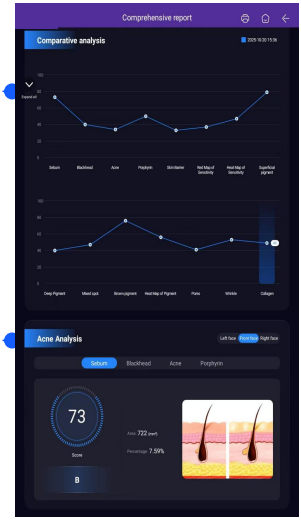
Among them, any individual indicator with a grade lower than C will be presented in the form of a radar chart.

Suggestions

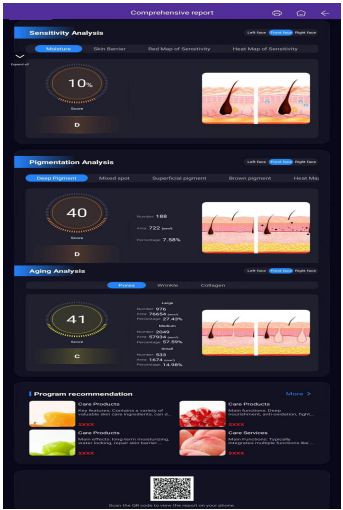
Contrastive analysis

Only conduct a comparative analysis with the previous shooting results. If only one shooting is carried out, only display the current single-shot indicator line graph.

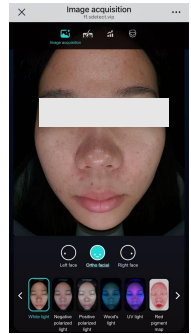
Acne analysis



Three reporting modes - comprehensive analysis report 2



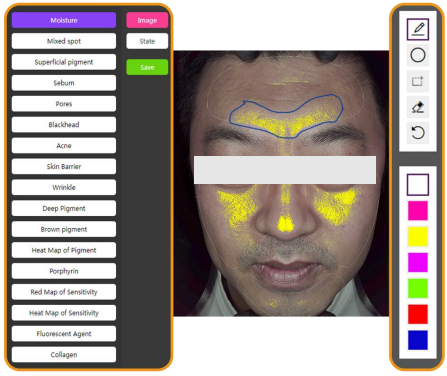
- Sensitivity analysis
- Pigment analysis
- Aging analysis
- Program recommendation
- Download the report

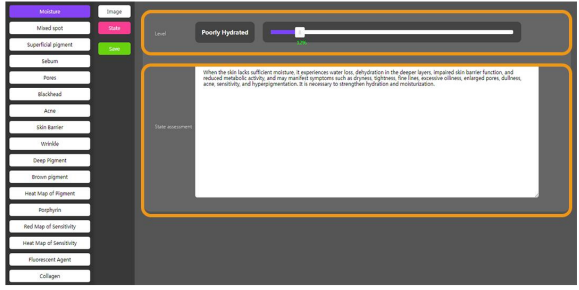


H5 Mobile report

Scan the code on your mobile phone to obtain the report.

Three reporting modes - innovative self-editing report 3





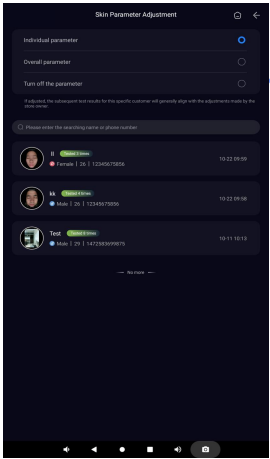
The system can independently select the images that need to be annotated.

Customize any detection result you desire

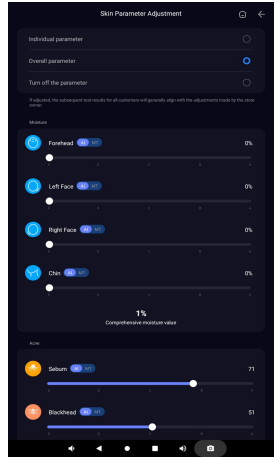
Each indicator can be adjusted to achieve the desired result.

Can freely edit the copywriting content

parameter adjustment



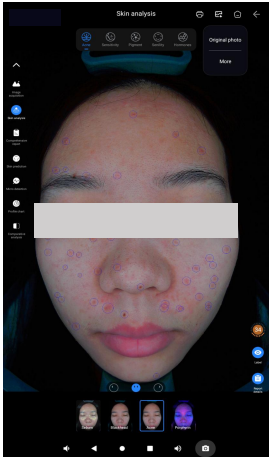
parameter adjustment



Data result optimization manual debugging

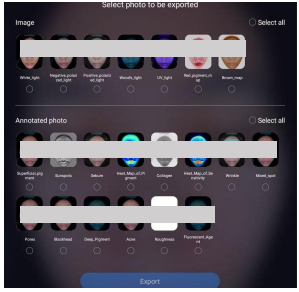
Adjustments can be made either individually or as a whole.

Image export function



Export image

After the image is exported, it will be saved in the local resource manager.



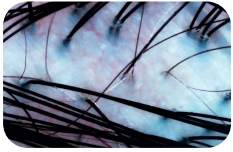
03

Analysis of scalp images

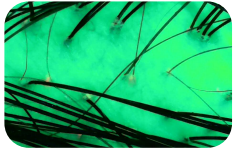
K76 AI INTELLIGENT SKIN TESTER

Scalp trispectral imaging

White light



Negative polarized light



UV light

Three-spectrum image analysis

White light

Theory：

Under the uniform illumination of natural light, the stray light is filtered out, clearly presenting the visible scalp problems on the epidermis layer. Under white light, the distribution characteristics of the scalp's texture, furrows and ridges can be observed. It can be used to examine issues such as the color of the scalp, hair density, hair thickness, and scalp sensitivity.

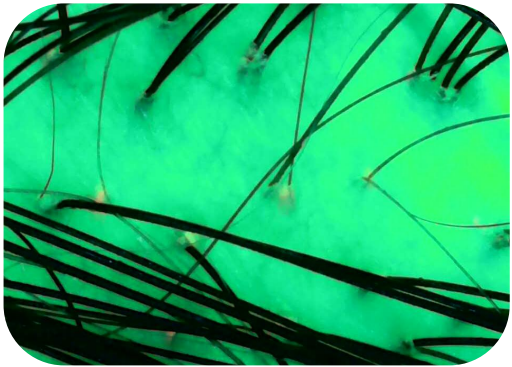
Three-spectrum image analysis

Negative polarized light

Theory：

By using a special cross-polarization optical system, direct reflected light can be effectively weakened. The cross-polarization mode is formed by the light reflected from the basal layer and dermal layer of the scalp skin entering the lens. The basal layer and dermal layer are rich in melanin and hemoglobin, so the cross-polarization mode is used to observe the deep layers (basal layer and dermal layer) of the scalp skin, showing the condition of capillaries and pigment deposition, such as white hair, hair thickness, hair follicle health, dandruff, red blood vessels, sensitive inflammation symptoms, and abnormal pigmentation scalp problems for auxiliary diagnosis and efficacy observation.

Three-spectrum image analysis



UV light

Theory：

The wavelength is 365nm. The cells and tissues of the scalp skin have the natural function of converting invisible light into visible fluorescence, thereby effectively making the scalp skin a luminous body. UV light penetrates through the surface layer of the scalp skin to each layer, triggering different fluorescence. These fluorescence enter the camera for imaging and present the scalp symptoms, which can be used for detecting problems such as clogged hair follicle openings, dandruff, and fluorescent agents.

Twenty-seven detection indicators

- Moisture
- White hair
- Scurf
- Sensitivity

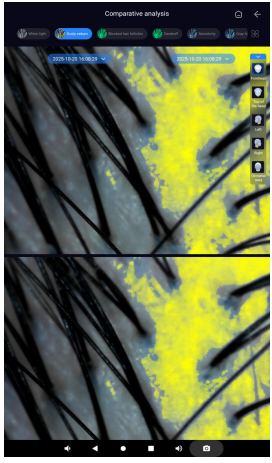
K76 AI intelligent skin tester

- Surface oil
- Hair density
- Hair thickness
- Hair follicle blockage
- Hairline texture

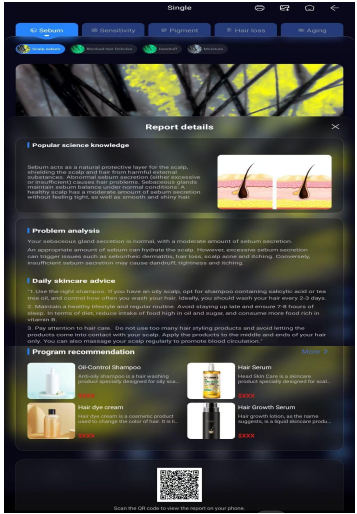
Contrastive analysis

You can choose any single indicator for comparison.

You can choose to compare at different times.



Scalp - individual report



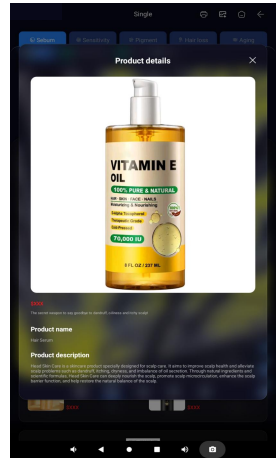
Popular science Knowledge

Problem analysis

Daily skincare advice

Program recommendation

Download the report



Scalp - single Item report

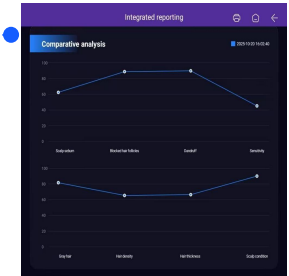
Comparative analysis

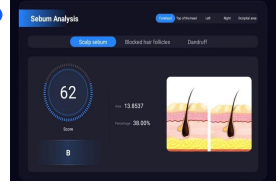
32 types of scalp conditions

Scores of each individual test item

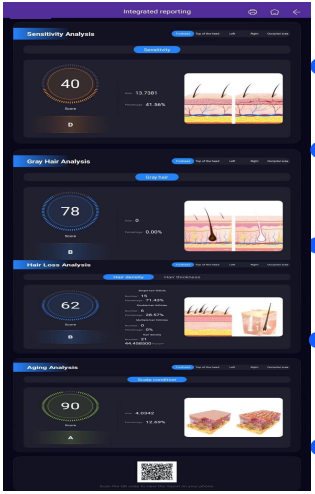
Suggestions

Water-oil balance





Scalp - single Item report



Sensitivity analysis

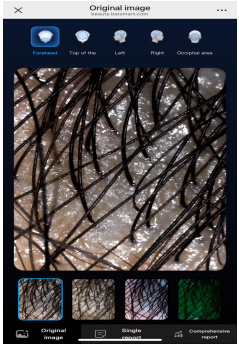
Gray hair analysis

Hair loss analysis

Aging analysis

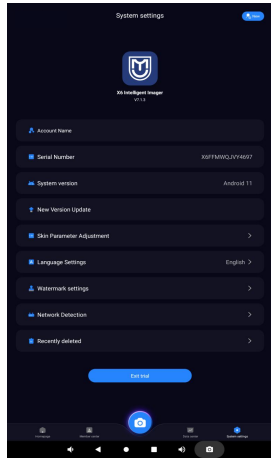
QR

Scan the QR code with your mobile phone to get the report



H5 Mobile report

My device

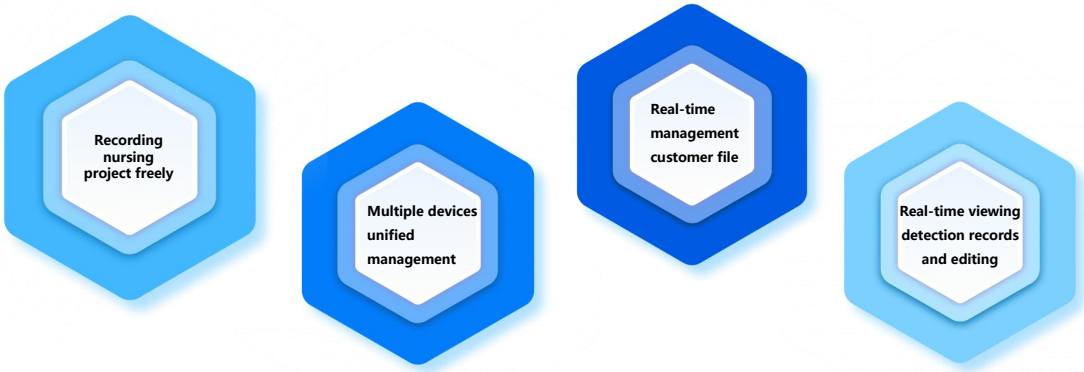


The language can be adjusted

Serial number

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

Backend management



04

Hardware specifications

K76 AI INTELLIGENT SKIN TESTER

Hardware parameters

Parameter information

K76

Type number	K76
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	380 * 348 * 560 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	MMC5 .1, 32G
Mode of operation	Multipoint capacitive touch
Screen feature	Individual screen
WIFI	Built-in dual-band WIFI(2.4G, 5G)
HDMI	1 Pcs
USB	3 Pcs
Screen scale	16:9
Screen size	20.5 inches
Screen pixel	1920 * 1080
Net weight of instrument	Main unit: 9 KG; Independent screen: 5.6 KG
Packing weight	21.8 KG
Box size	610 * 530 * 660 mm
Packaging material	Corrugated paper + pearl cotton
Other accessories	Multifunctional Micro-Inspection Handpiece, power cord

Hardware specifications

Product patent, test report, certification certificate display

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