

LEAD TECHNOLOGY CREATES BEAUTY

A COMPREHENSIVE UPGRADE IN CAPTURE, IMAGING, DATA AND EFFICIENCY

Contents

01 FUNCTIONS OVERVIEW

02 IMAGE ANALYSIS AND CORE INDICATORS

03 ANALYSIS AND REPORTS

04 TECHNICAL SPECIFICATIONS

05 SERVICE AND COOPERATION



Alpha 98 AI Skin AI smart skin analyzer

01

FUNCTIONS OVERVIEW

Alpha9 AI smart skin analyzer

Alpha9 AI smart skin analyzer: designed to solve skin problems. It integrates eight-spectrum imaging technology and captures three fixed facial angles at once – front, left and right – achieving 270° coverage with no blind spots. A professional, objective analysis of twenty facial skin concerns and flexible operation were the developers' main goals. With one click the device takes the photos, analyses them and generates a report, making it even easier to use.



Function demonstration

PRODUCT TESTING

EIGHT-SPECTRUM IMAGING

3D IMAGING

CLOUD DATA STORAGE

TWENTY
TEST INDICATORS

FILE MANAGEMENT

MICROSCOPIC
EXAMINATION

SKIN TONE DETECTION



Alpha 98 AI Skin AI smart skin analyzer

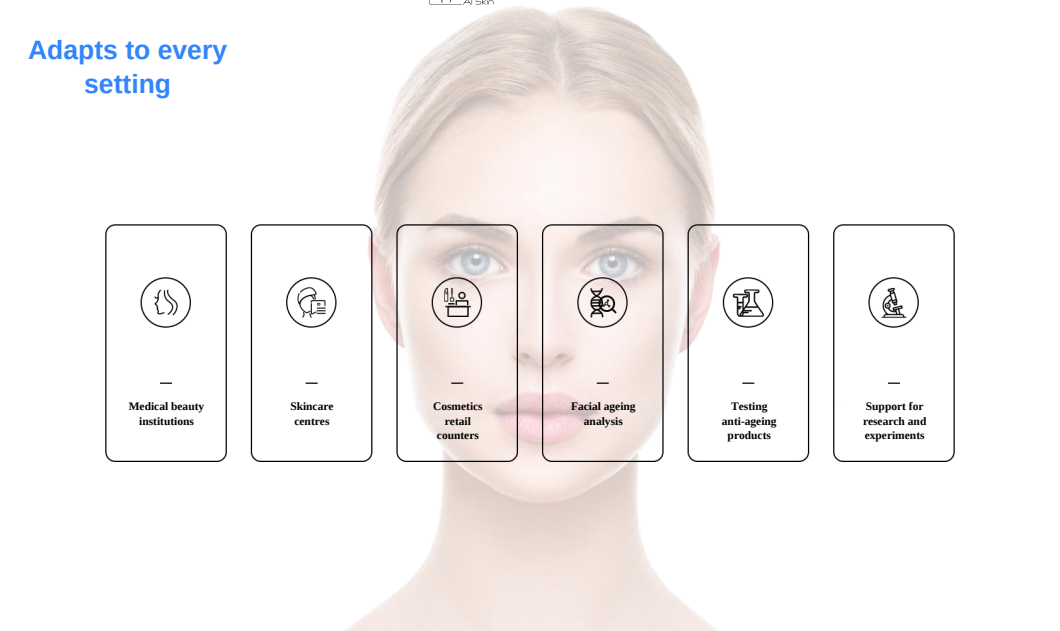
THREE COMPARATIVE
ANALYSIS MODES

ADJUSTING SKIN
TEST RESULTS

THREE REPORT MODES

BACK-END SYSTEM
MANAGEMENT

Adapts to every setting



Medical beauty institutions

Skincare centres

Cosmetics retail counters

Facial ageing analysis

Testing anti-ageing products

Support for research and experiments

5 major concerns analysed

30+ detection indicators



Product analysis



Sun protection

Ageing analysis



Forehead lines



Nasal dorsum lines



Lines around the eyes



Crow's feet



Nasolabial folds



Skin sagging



Jawline angle

Pigment analysis



Moles



Freckles



Acne marks



Spots



UV spots



Pigment green map

Sensitivity analysis



Acne



Redness



Rosacea



Barrier

Skin quality analysis



Pores



Porphyrin



Wrinkles



Moisture



Skin colour

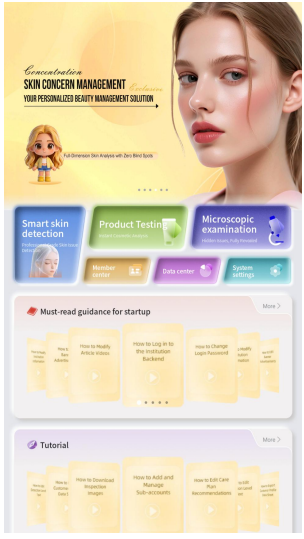
Home page

Smart skin analysis

Product testing

Must-read before you start

Tutorials



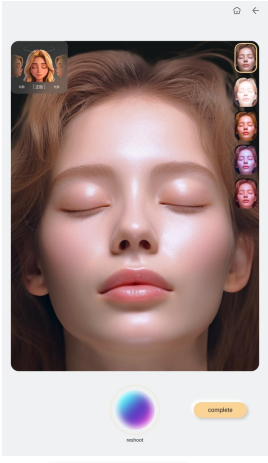
Microscopic examination

Member centre

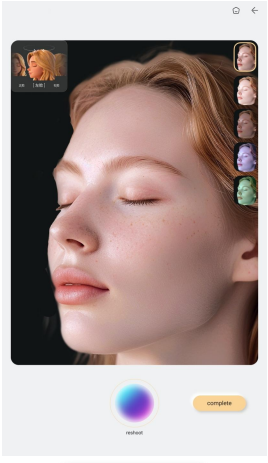
System settings

Data centre

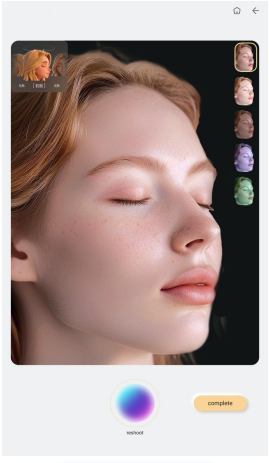
3D panoramic view



Front view

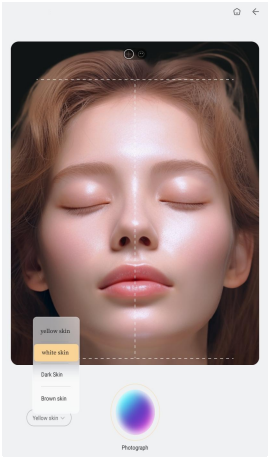


Left cheek



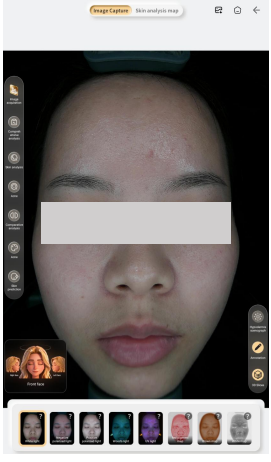
Right cheek

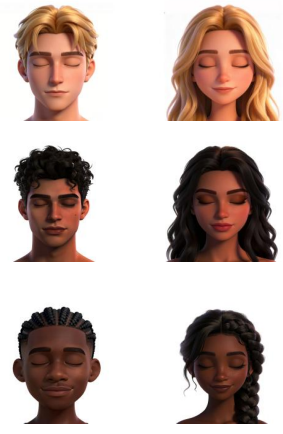
Industry first – customised skin tone testing



- Yellow skin
- White skin
- Black skin
- Brown skin

Industry first – customised skin tone testing





The multi-dimensional model view changes according to the selected skin tone

The industry's first skin tone detection mode optimises detection algorithms and evaluation parameters for the characteristics of different ethnicities and skin tones



Alpha 98 AI Skin AI smart skin analyzer

02

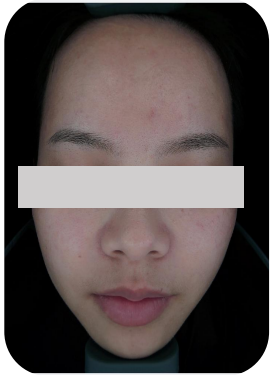
IMAGE ANALYSIS AND CORE INDICATORS

Eight spectral images



01	02	03	04	05	06	07	08
White light	Negatively polarised light	Positively polarised light	Wood's lamp light	UV light	Brown light	Red light	Mixed light

Eight-spectrum image analysis

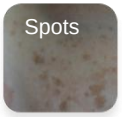


White light

THEORY

Visible spots and other blemishes on the skin surface (acne, spots, wrinkles, pores, etc.) under natural light. Mainly used as the basis for comparing the other spectral images.

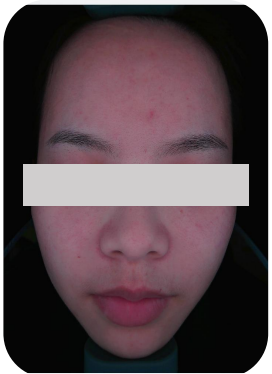








Eight-spectrum image analysis



Negatively polarised light

THEORY

Negative polarisation technology filters out light reflected from the skin surface, so light brown, tanned, dark brown, light yellow or dark red skin lesions can be examined clearly. It reveals the condition of capillaries, facial acne, skin evenness and other skin concerns.







Eight-spectrum image analysis



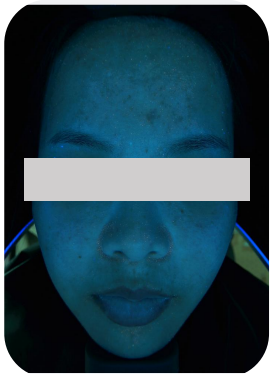
Positively polarised light

THEORY

Positively polarised light improves the clarity of the surface texture and magnifies local detail, so skin smoothness, fine lines, wrinkles and unevenness (wrinkles, pores, acne scars, acne, etc.) can be observed clearly.



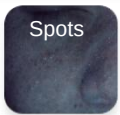
Eight-spectrum image analysis



Wood's lamp light

THEORY

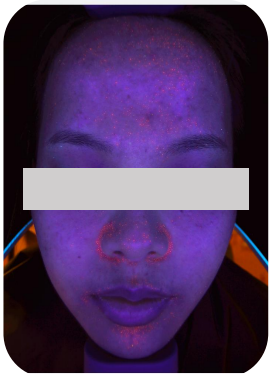
Wood's lamp light can detect deep pigment in the dermis. The principle is that melanin does not fluoresce under ultraviolet radiation, so it stands out more clearly and with stronger contrast.







Eight-spectrum image analysis



UV light

THEORY

Under a UV light source, the amount and distribution of the purple pigment bilirubin are clearly visible through fluorescence. This can be used for the auxiliary diagnosis of pigmentary dermatoses, pore problems, skin infections and porphyria, and for monitoring treatment efficacy.





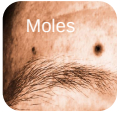
Eight-spectrum image analysis



Brown light

THEORY

RBX light source technology processes the position, area, shape and severity of subsurface facial UV spots, which show UV-induced skin damage and the accumulation of subsurface melanin.





Eight-spectrum image analysis



Red light

THEORY

RBX light source technology analyses subsurface facial haemoglobin and inflammatory pigmentation (e.g. sensitive skin, lesions, acne, red blood vessels and other inflammatory skin conditions).







Eight-spectrum image analysis



Mixed light

THEORY

Polarisation analysis reveals skin texture roughness and collagen loss.





Twenty test indicators

- Moisture
- Pores
- Blackheads
- Sebum
- Skin barrier
- Acne
- Wrinkles
- Mixed spots
- Superficial pigment
- Deep spot map



Alpha 9 AI Skin AI smart skin analyzer

- Sun spots
- Porphyrin
- Collagen
- Roughness
- Deep pigment
- Brown pigment
- Sensitivity heat map
- Sensitivity red map
- Skin sagging
- Jawline

Thirty-three detection functions – microscopic examination

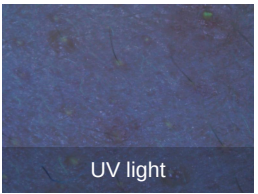
- Microscopic imaging of skin detail



Handheld skin micro-imaging device







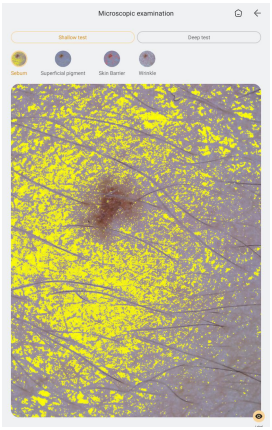




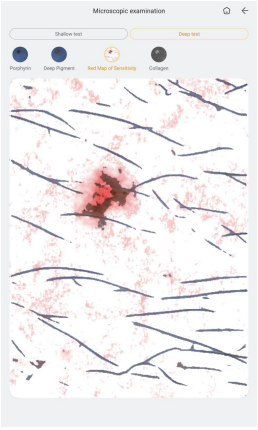


Targeted analysis with multiple light sources

Microscopic examination – eight skin details



Skin surface test



In-depth test



Handheld skin micro-imaging device

Multiple light sources help detect skin problems

Microscopic examination – scalp details





Multiple light sources
help detect skin problems

Handheld skin micro-imaging device

Thirty-three detection functions – skin prediction



Look deep into the skin's future and awaken clients' desire for youthful skin.

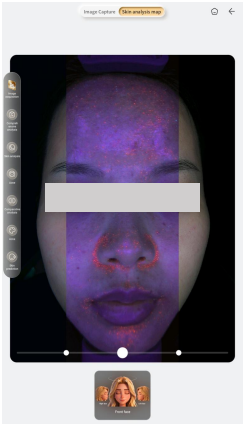
Based on the client's current skin condition, a trained large AI model simulates the skin after care and how ageing progresses across different age groups.

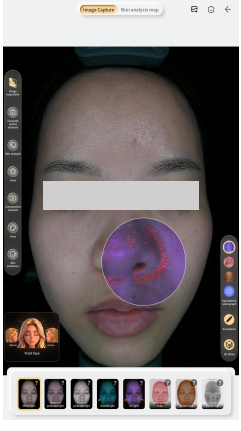
Ageing simulation

Thirty-three detection functions – profile diagram + deeper skin layer view

Profile diagram

By comparing white light, negatively polarised light and a UV light source, skin problems are analysed in depth and from multiple dimensions.





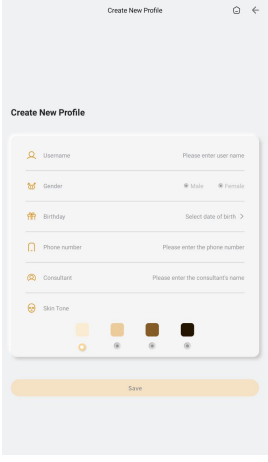






Tap the deeper-layer view button on the right to open three icons: UV light image, haemoglobin image and brown image. Drag the perspective lens freely to compare issues such as pigmentation, redness and skin inflammation between the superficial and basal skin layers.

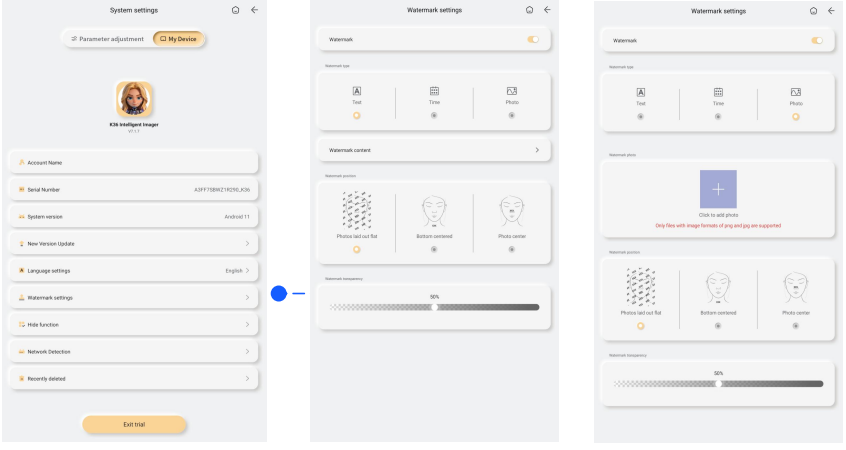
Thirty-three detection functions – birthday reminder function





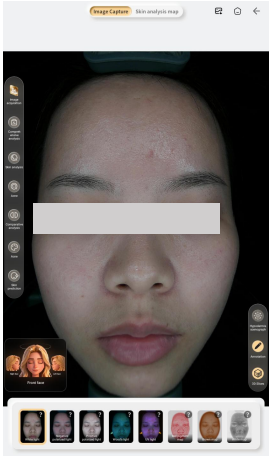
Automatically lists the clients who have a birthday that day, helping you retain clients.

Thirty-three detection functions – watermark function



Customisable text watermark and image watermark

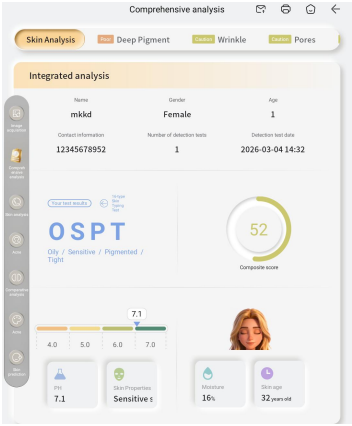
Thirty-three detection functions – 3D slicing function





3D slicing is the core function for layered scanning, tomographic imaging and the quantification of data for different skin layers (epidermis, superficial dermis, etc.), clearly showing the health of the deeper skin layers and how problems are distributed.

Thirty-three detection functions – skin age, pH, skin properties



Skin age

A quantitative indicator of the true ageing status of the skin. Using manually annotated samples of people aged 18 and over, and AI models for deep learning and feature extraction, it accurately calculates skin age, identifies the cause of "ageing" and reflects the condition of core anti-ageing indicators such as collagen, wrinkles and pigment.

pH

Healthy skin is usually slightly 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 or too alkaline, whether the barrier is weak, and whether the skin 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-three detection functions – product testing function





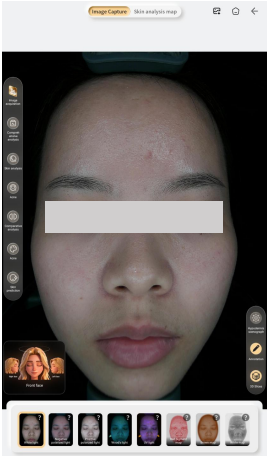
Science basics

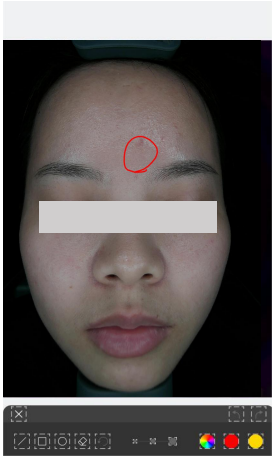
Problem analysis

Care tips

Programme recommendation

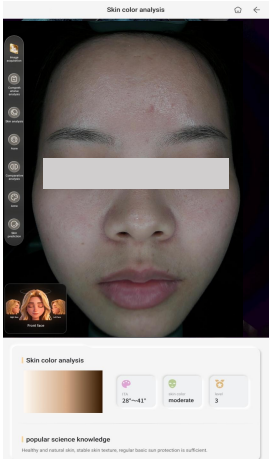
Thirty-three detection functions – annotation pen





The annotation function uses tools to mark visible skin issues on images (such as redness and spots), showing the condition visually and making skincare advice easier to explain.

Thirty-three detection functions – skin tone detection



Uses the internationally recognised ITA skin tone scale, accurately covering six main skin tone levels from very fair to deep black

Level	ITA° range	Brief description
Level 1 (very fair)	> 55°	A very fair, delicate skin tone needs daily sun protection to prevent photo-ageing.
Level 2 (fair)	41°~55°	Consistent sun protection is recommended for fair skin that reddens easily in the sun.
Level 3 (medium)	28°~41°	Basic daily sun protection is enough for a healthy, natural and stable skin tone.
Level 4 (tanned)	10°~28°	Enhanced sun protection and brightening care are recommended for skin that tans easily.
Level 5 (brown)	-30°~10°	A bronze, healthy skin tone is prone to hyperpigmentation.
Level 6 (dark)	<-30°	A deep skin tone with active melanin production needs moisturising and help keeping the skin in balance.

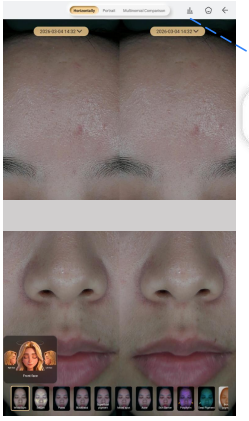


03

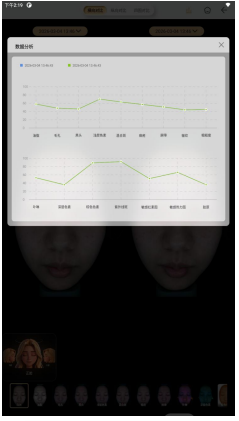
ANALYSIS AND REPORTS

Alpha 98 AI Skin AI smart skin analyzer

Comparison modes



Comparison modes

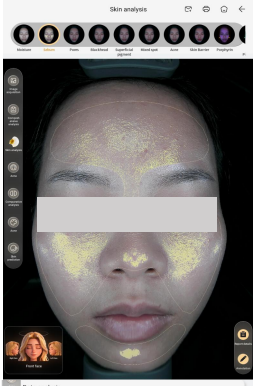


Data analysis



Data comparison

Three comparison modes – standalone independent report 1



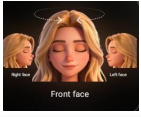
1. Score
2. Level
3. Count
4. Area
5. Share

Helps clients understand their skin problems precisely

Accurately quantifies the underlying effect and empowers practitioners to treat

Divided into 5 levels from highest to lowest according to skin condition and marked with different colours:

A Green B Blue C Yellow D Orange E Red

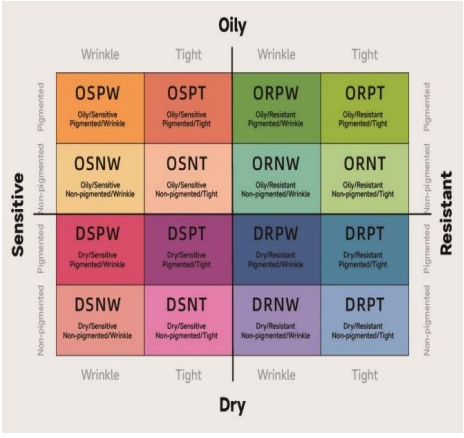


Multi-dimensional perspective

Manual selection, detailed view from multiple angles



Classification of 16 skin types in the Baumann skin typing 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 report modes – comprehensive analysis report 2



16-type skin classification and overall score

pH, skin properties, moisture and skin age

Normal facial skin pH is 4.5–6.5

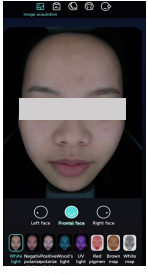
Skin properties: dry, oily, normal, combination and sensitive skin

Comprehensive recommendations

Single-indicator analysis

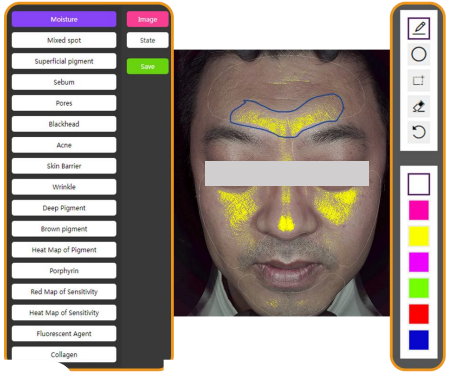
Solution recommendation

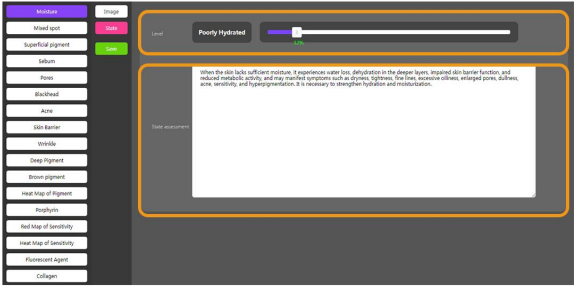
Scan the QR code



H5 report on the phone

Three report modes – comprehensive analysis report 3





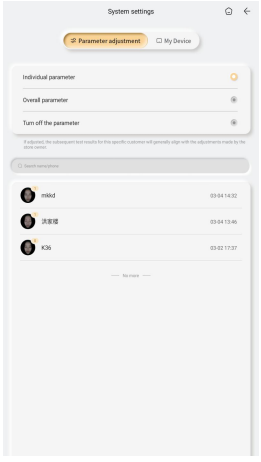
The system automatically selects the image to be annotated

Customise any test results you want

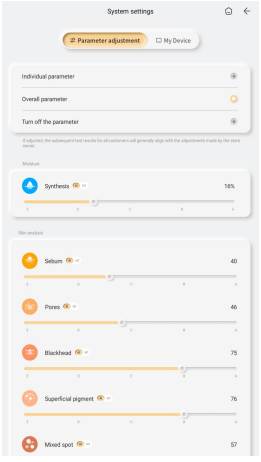
You can adjust the result of every indicator

Free text editing

Parameter adjustment



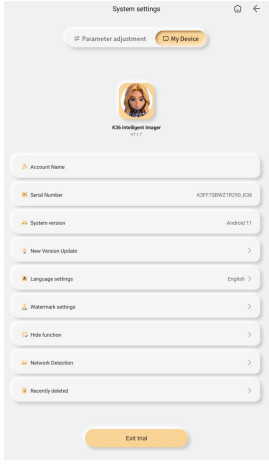
Parameter adjustment



Optimising data results through manual adjustment

Can be adjusted as a whole

My device



Language can be changed

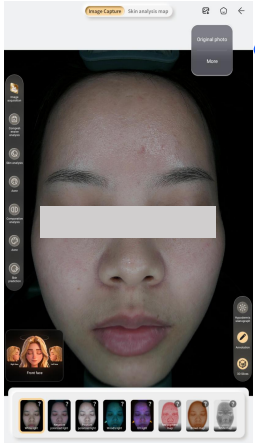
Serial number

You can find a device problem in the management system and resolve it.

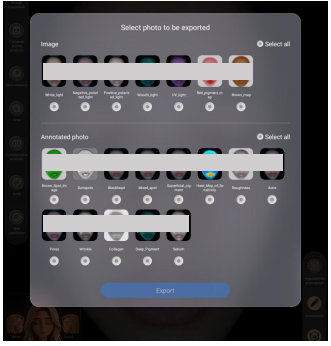
Hide function

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

Image export function



Export image



Multi-image export

Data centre

Choose the year and month

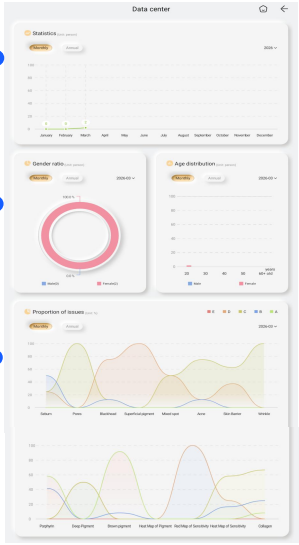
A line chart shows more clearly how many people visited the salon in a month or a year

Ratio of men to women

The data view shows more clearly the ratio of men and women visiting the salon

Problem share

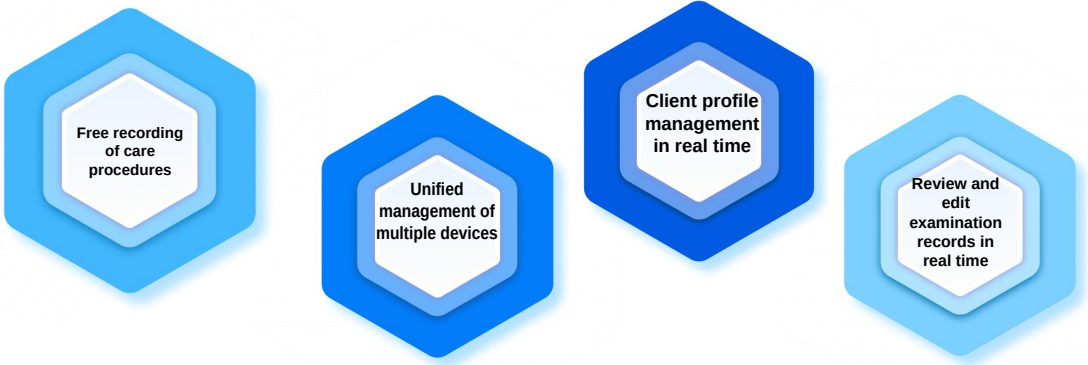
In data form, current clients are divided into five levels in different colours to show the data for each indicator



Age distribution

The number of salon visitors by age group is shown in data form.

Management system





Alpha 8 AI Skin AI smart skin analyzer

04

TECHNICAL SPECIFICATIONS

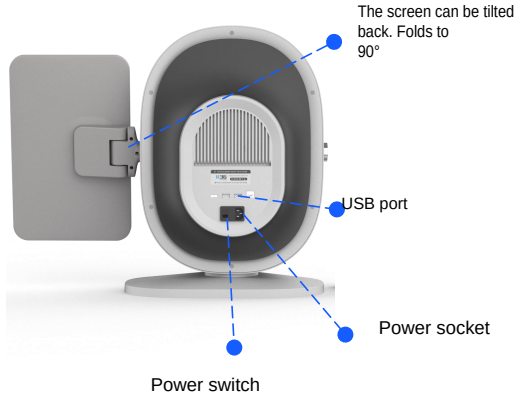
Parameters

Parameter information

Model	Alpha 8 AI Skin
Image sensor	Industrial grade, 36 megapixels
Light spectrum	White light, positive polarisation, negative polarisation, Wood's, UV, red, brown, white
Shading method	Pull-down hood
Product material	Industrial-grade ABS
Power supply	AC100–260V, 50/60Hz
Product dimensions	695 x 305 x 569 mm (folded: 516 x 402 x 569 mm)
Processor	RK3568 quad-core Cortex-A55, max. 2.0 GHz
Main board	R10-S6810 board with Android 11
Memory (RAM)	Dual-channel LPDDR4, 4 GB
Storage	MMC 5.1, 32 GB
Operation	Multi-touch capacitive touchscreen
Screen feature	Folds back to 90 degrees
WiFi	Built-in dual-band WiFi (2.4G, 5G)
HDMI	1 pc
USB	3 pcs
Aspect ratio	16:9
Screen size	15.6 inch
Resolution	1920 * 1080
Net weight	11.4 kg
Gross weight	17.1 kg
Box dimensions	665 * 600 * 530 mm
Packaging material	Corrugated cardboard + EPE foam
Other accessories	Moisture measuring handle, power cable

Technical parameters







Alpha 98 AI Skin AI smart skin analyzer

Company details

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