

# *Bitmoji-tek*

Leading technology creates beauty.

# T8 AI Intelligent Scalp Analyzer

**T8 AI Intelligent Scalp Analyzer:** Guided by the research and development aimed at solving scalp problems, it integrates four major spectral imaging technologies. By using a high-definition lens and light source, and combining AI artificial intelligence algorithms and image processing capabilities, it transforms the microscopic condition of the scalp into visual images and analyzes the collected images. With the professional and objective analysis of threeteen scalp problems and flexible operation as the original intention of research and development, it comprehensively detects five key areas including the forehead, left and right sides, the top of the head, and the back of the head, so as to comprehensively evaluate hair follicle health, sebum secretion, inflammation conditions, scalp barrier function, and potential hair loss risks, etc., and comprehensively understand the real state of the scalp.



## Applicable scenarios



Beauty salon



Hair salon



Hair transplant  
clinic

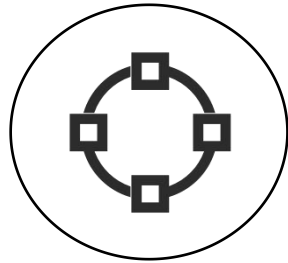


For household  
use

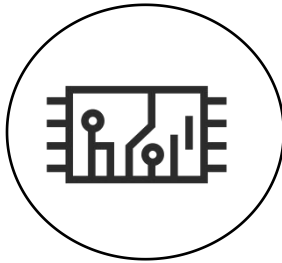
## Technical advantages



Product  
recommendation



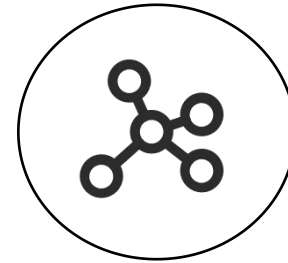
Four-spectral  
analysis



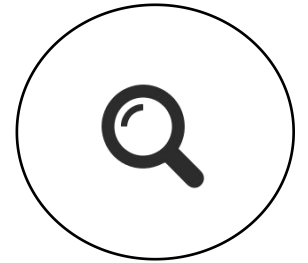
AI  
algorithm



Hair follicle  
detection



13 dimensional  
indicators



200x/50x  
magnification



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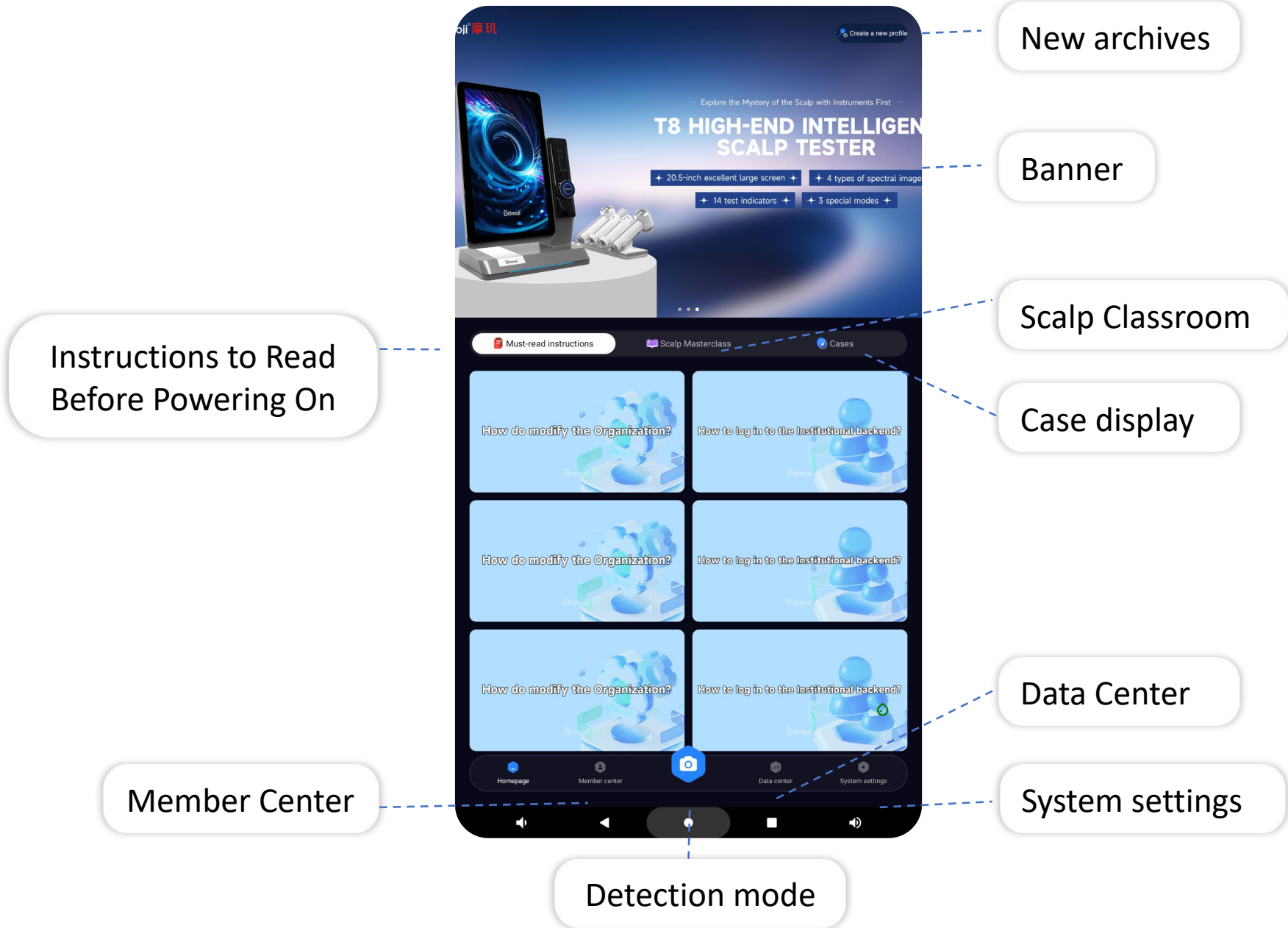
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detection  
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【T8 AI Intelligent Scalp Analyzer】

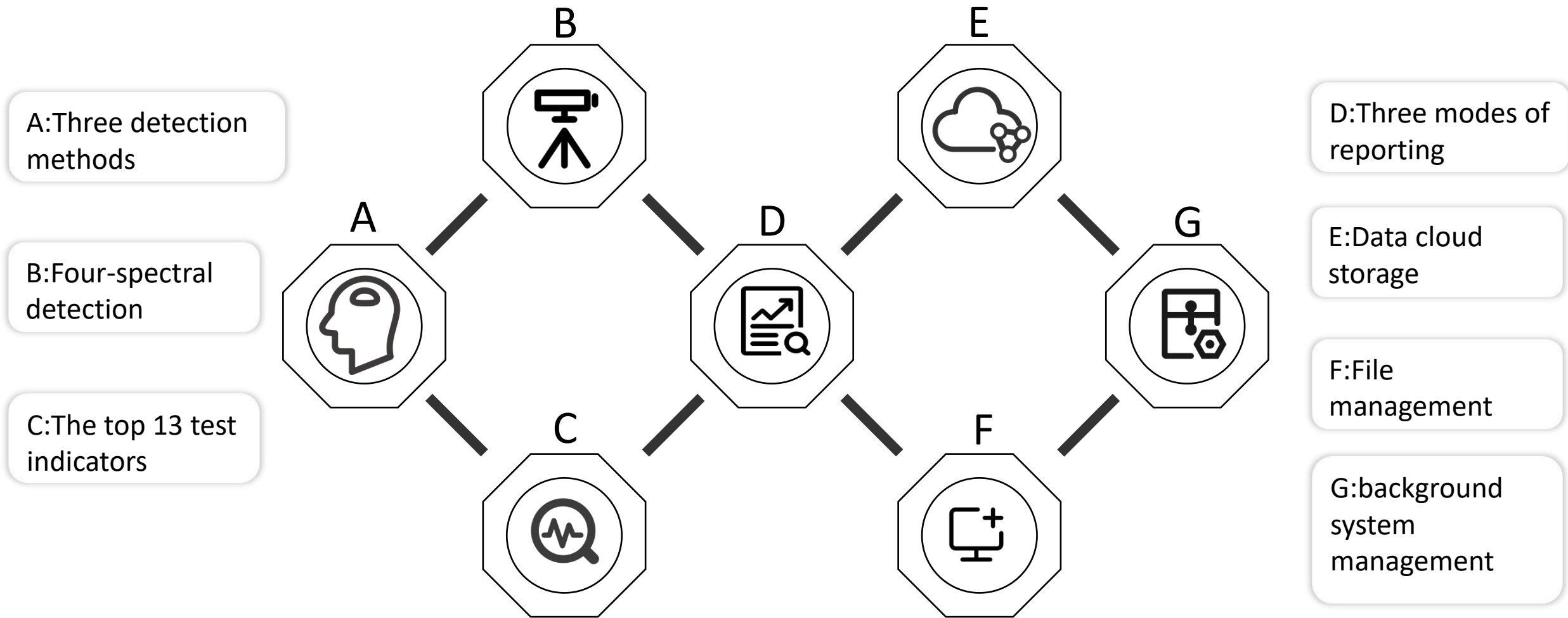


01

FUNCTIONS  
COVER

T8 AI Intelligent Scalp Analyzer

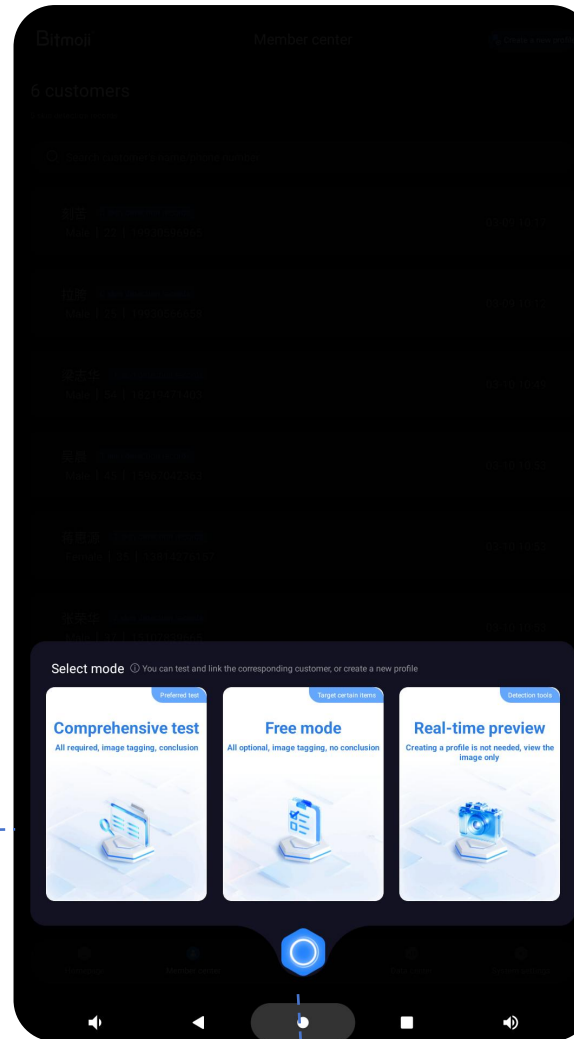
## Functional coverage



## Three detection modes

Three detection modes:  
comprehensive detection,  
free mode, real-time  
preview.

Comprehensive  
detection mode

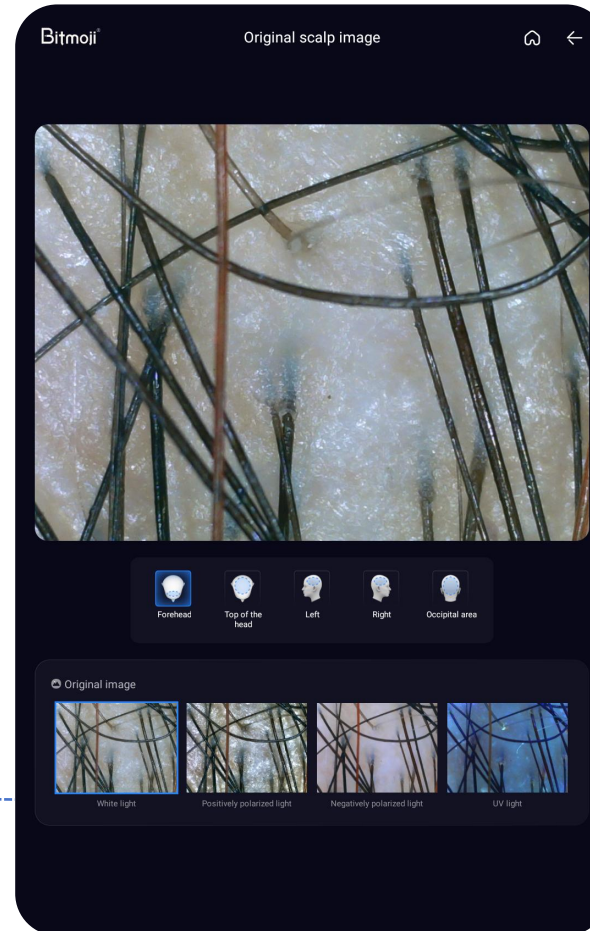


Real-time preview

Free schema

## 1/Comprehensive detection mode

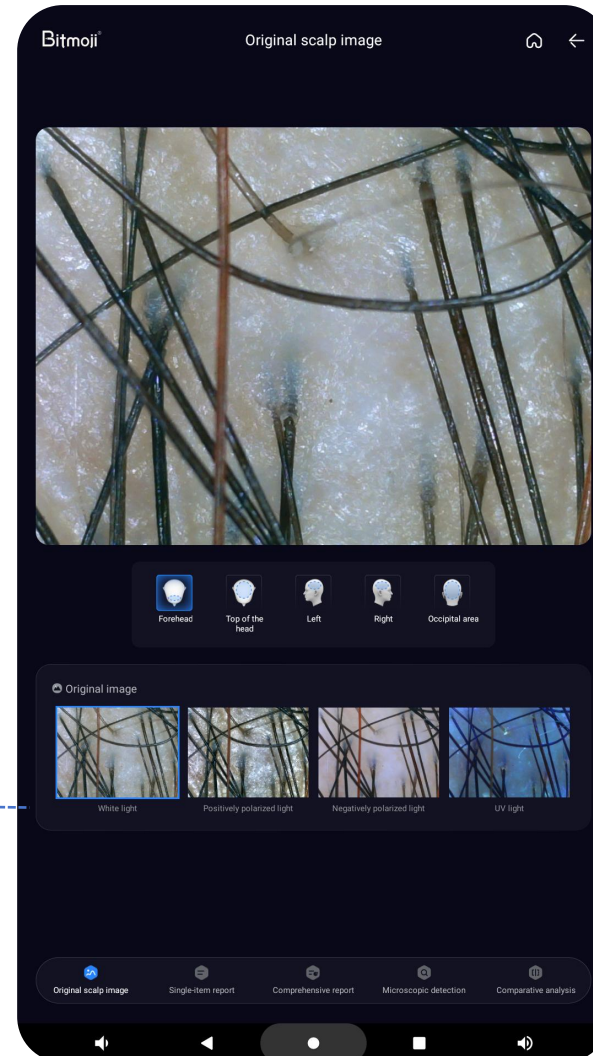
Four spectrum shooting, click OK after all the shooting is completed, click sure, jump to the next one, after can not return, including a single report and comprehensive report.



According to the five parts specified by the system, check the scalp problems. Test site: forehead, skull top, left, right, posterior occipital.

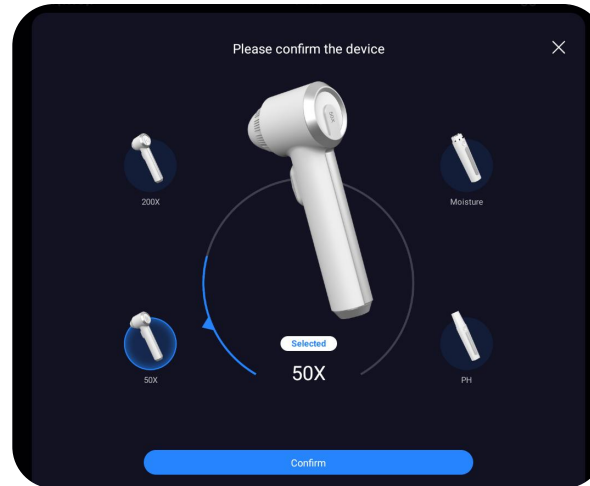
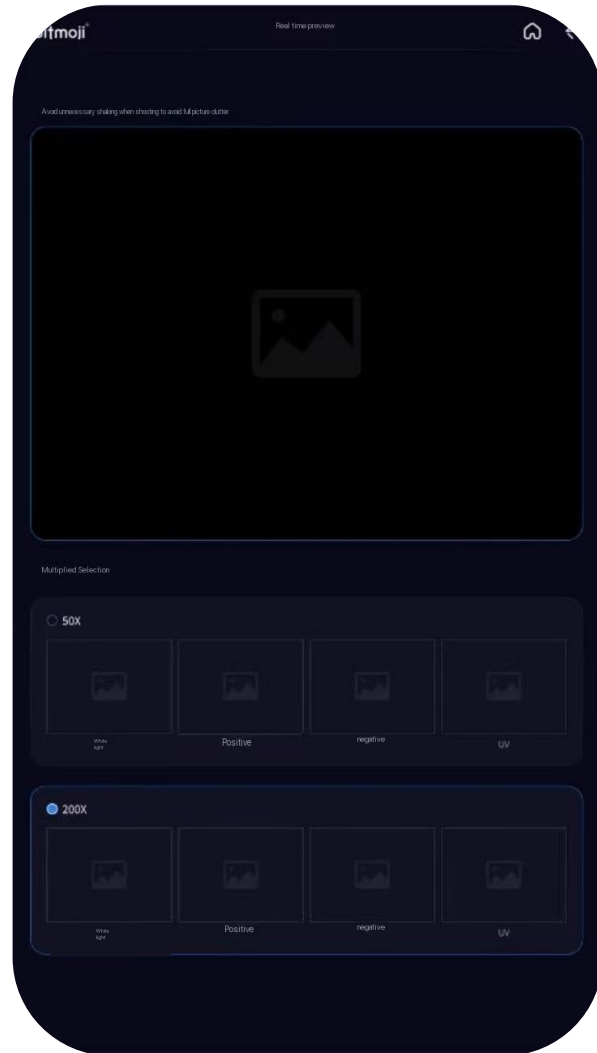
## 2/Free schema

Four spectral shooting, can choose any part for detection. After the test, click to return. There is a single report to view the single test results of the selected site.



According on any five parts of the scalp to check the scalp problems. Detectable sites: forehead, cranial roof, left, right, posterior occipital sites.

### 3/Real-time preview



Focus on this image. Handsets can be selected for switching.



Hand-held scalp 50-fold detection hand



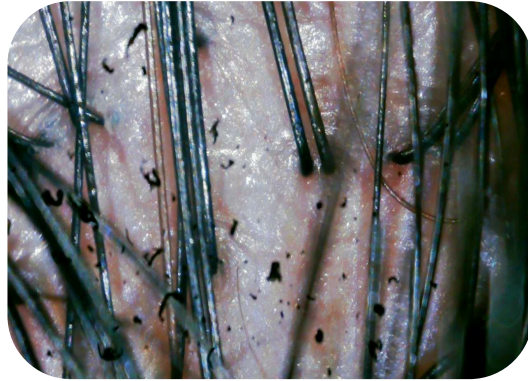
Hand-held scalp 200 times detection hand



## Four-spectrum detection



White light



Positive  
polarization light

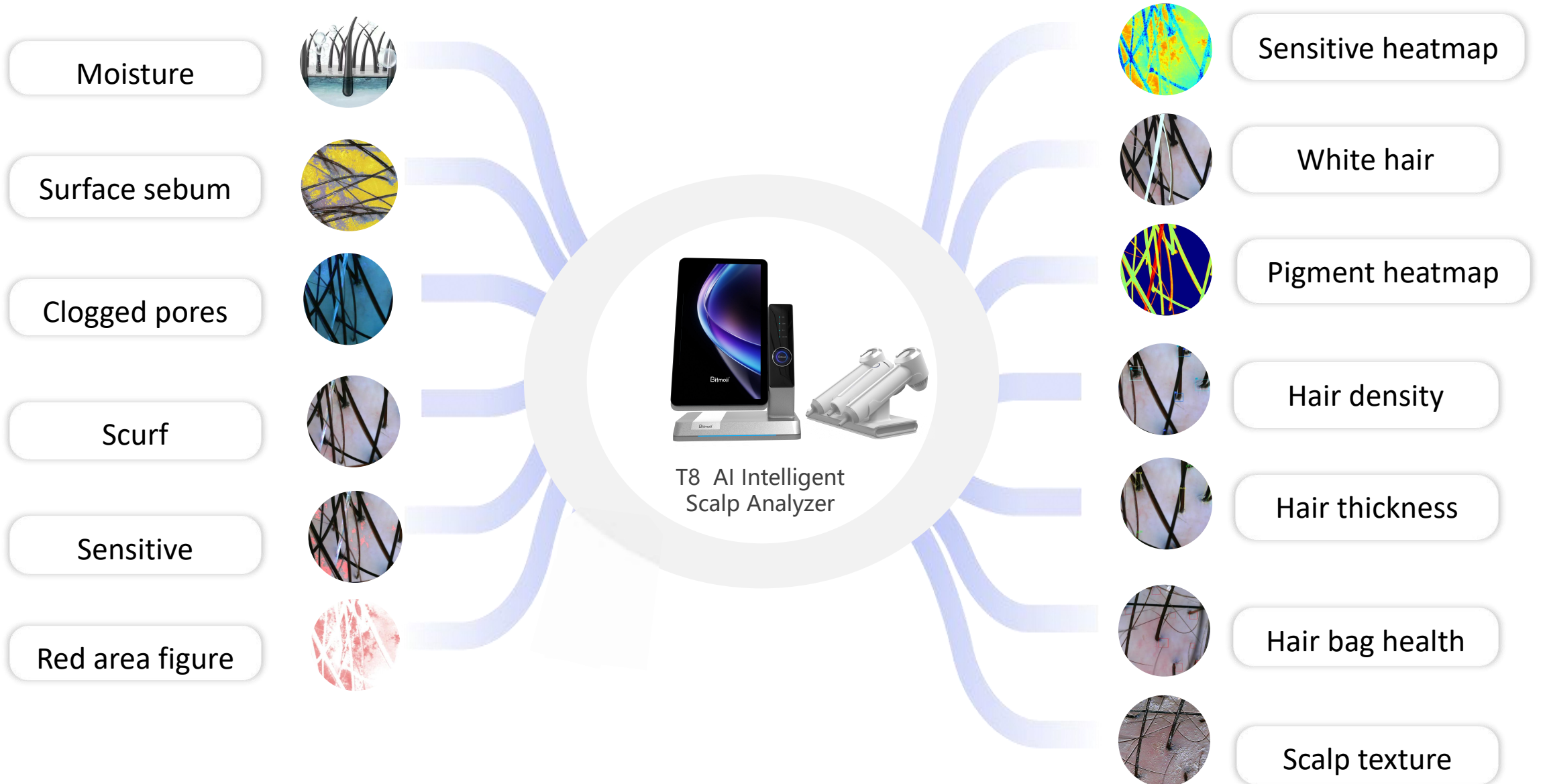


Negative  
polarization light

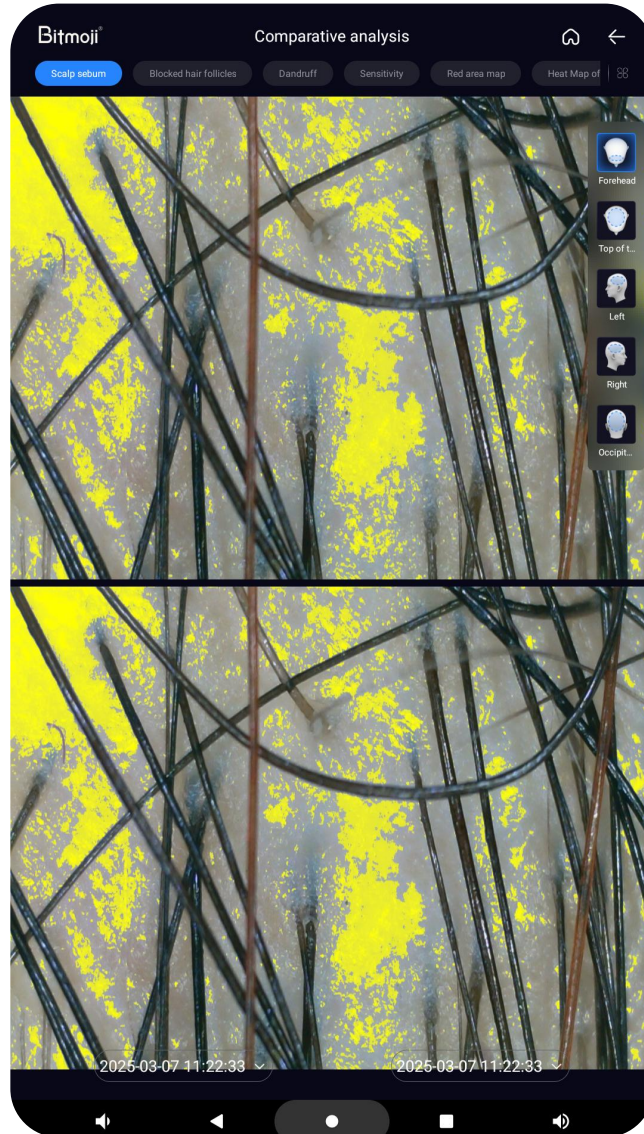


UV light

# 13 analysis detection indicators



# Contrast mode



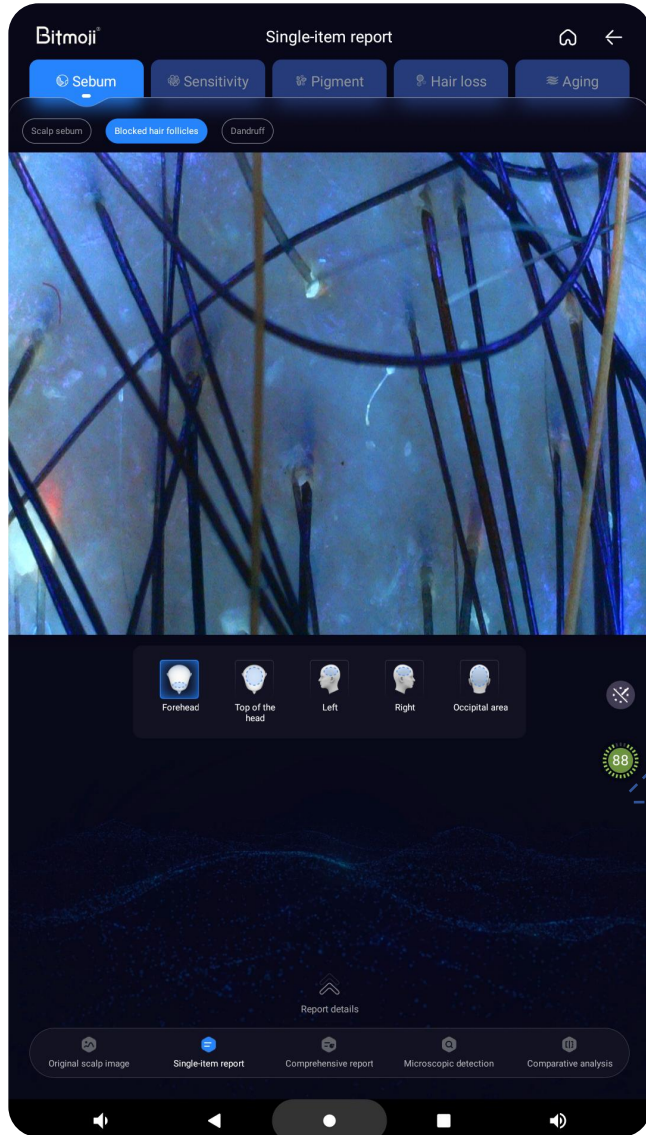
Any single index can be selected for comparison

Different parts can be selected for comparison

Different times can be selected for comparison



# Three reporting modes-single independent reporting 1



Introduction to  
data analysis

1. score
2. Grade
3. Quantity
4. Area
5. Ratio

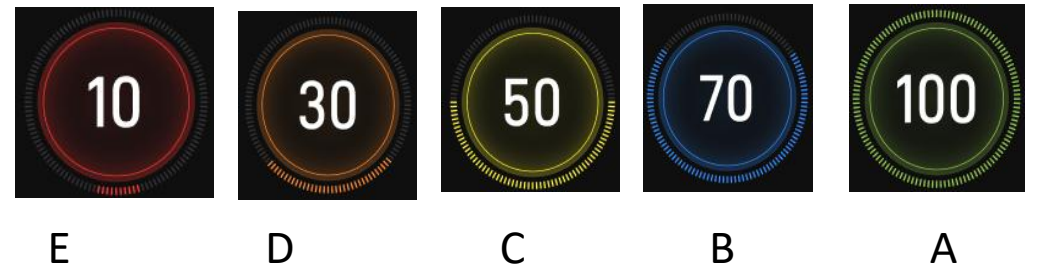


Data score

According to the index of scalp status, there are five parts (forehead, skull top, left, right, posterior occipital, from high to low) and marked in different colors: A/Green B/blue C/yellow D/orange E/red

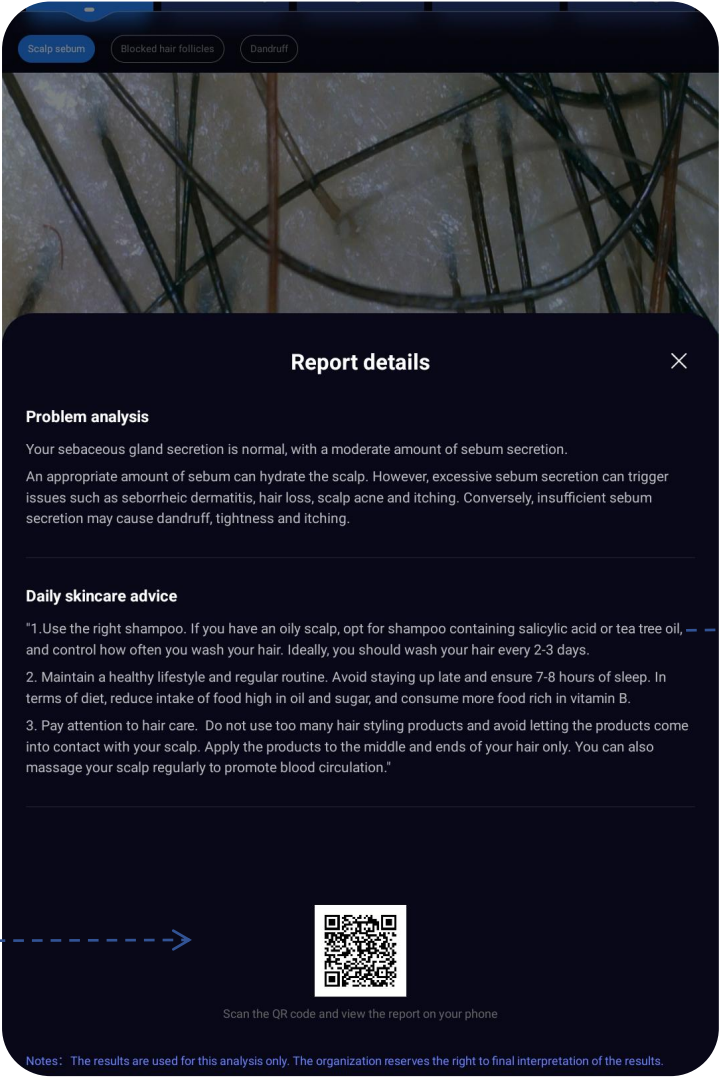
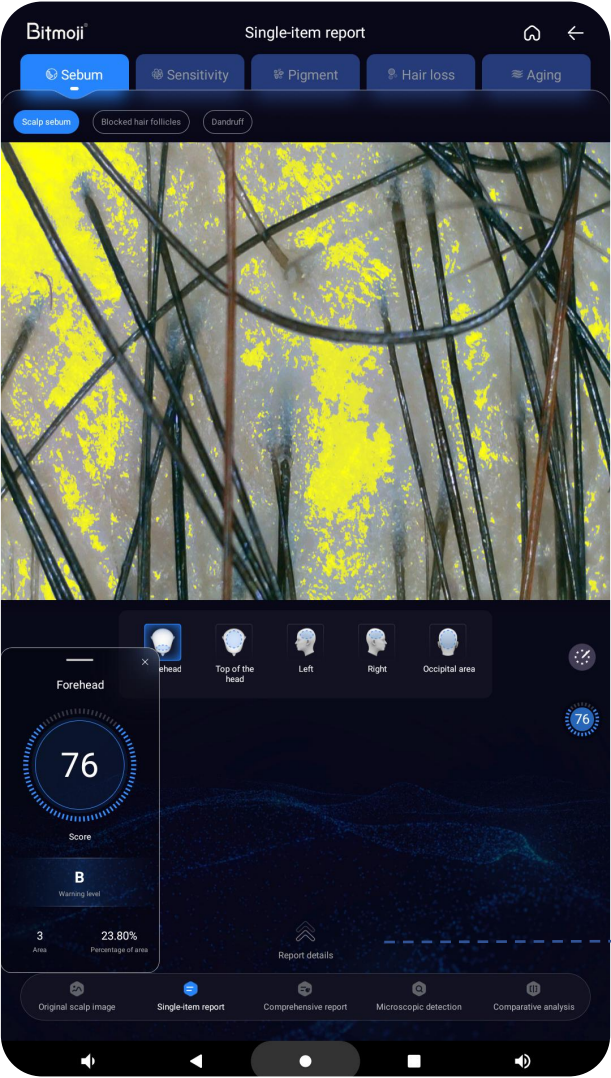
Multi-site detection

Comprehensive testing was  
performed from the five sites



# Three reporting modes-single independent reporting 1

Individual report



Swiping up the arrow creates a popup for the individual report

# Three reporting modes – Comprehensive Analysis Report 2



Personal information

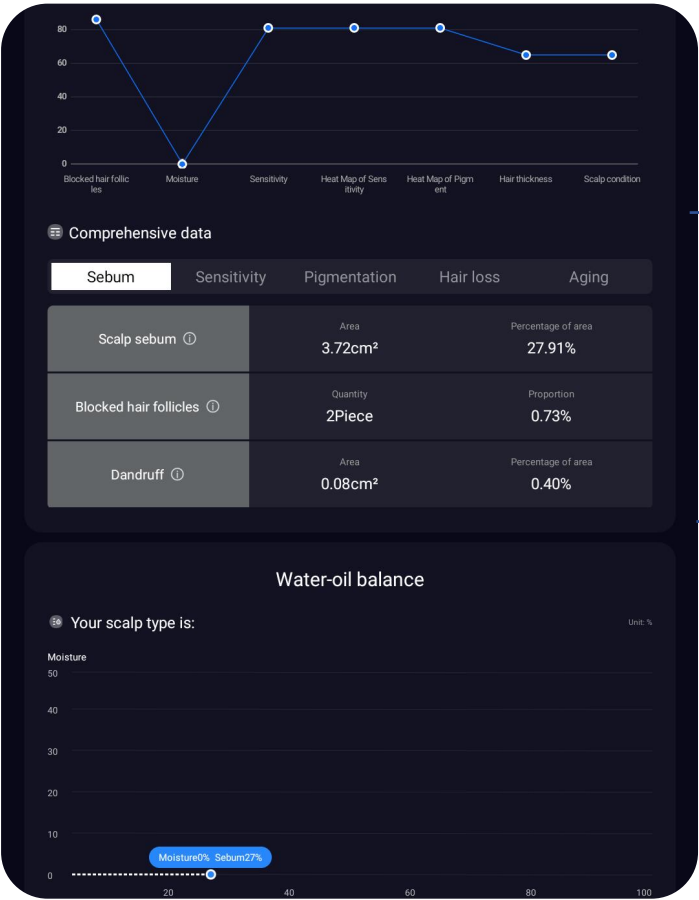
Model 32 Scalp Analyzer & Comprehensive Score

Scalp Analysis Overview

The score of the comprehensive site in a single test and the score of the five parts in a single test can see the comparison of the effect

Single score

Score of each individual test



Aggregate data

Water and Sebum balance detection



# Three reporting modes – Comprehensive Analysis Report 2



Comprehensive report

Symptom description

Nursing advice

Scheme recommendation

Scan the code to download the report

Mobile phone scan the code to get the report



## Three reporting modes-innovative independent editing report 3



The background independently selects the image to be edited for annotation

Customize any test results you want

Each indicator can be adjusted for the results

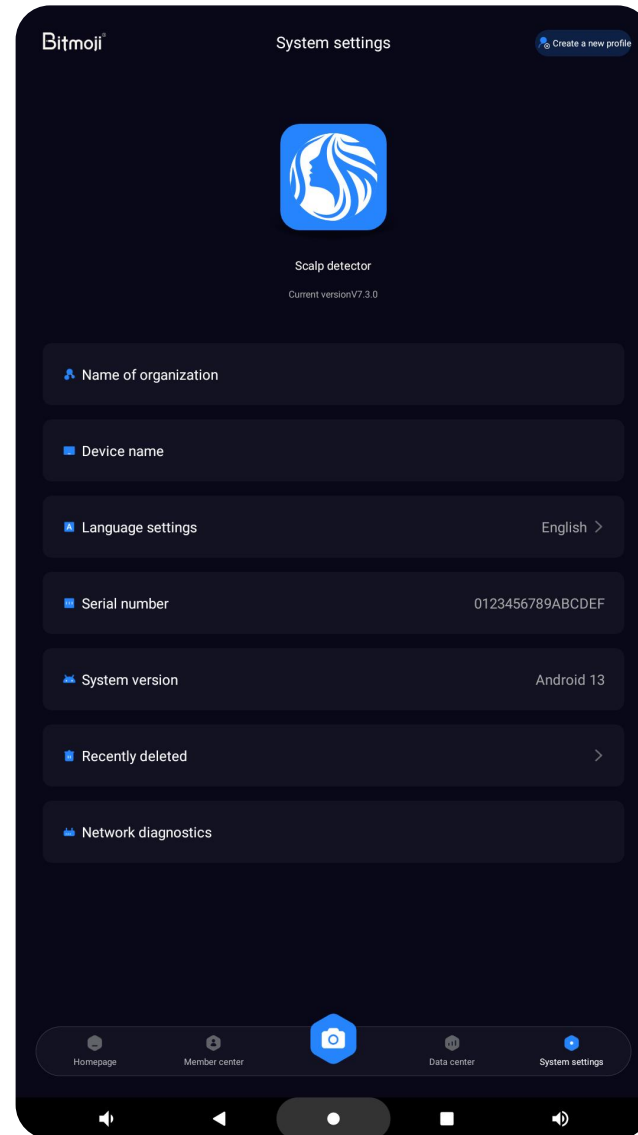
You can edit the copy freely



# My equipment

【T8 AI Intelligent Scalp Analyzer】

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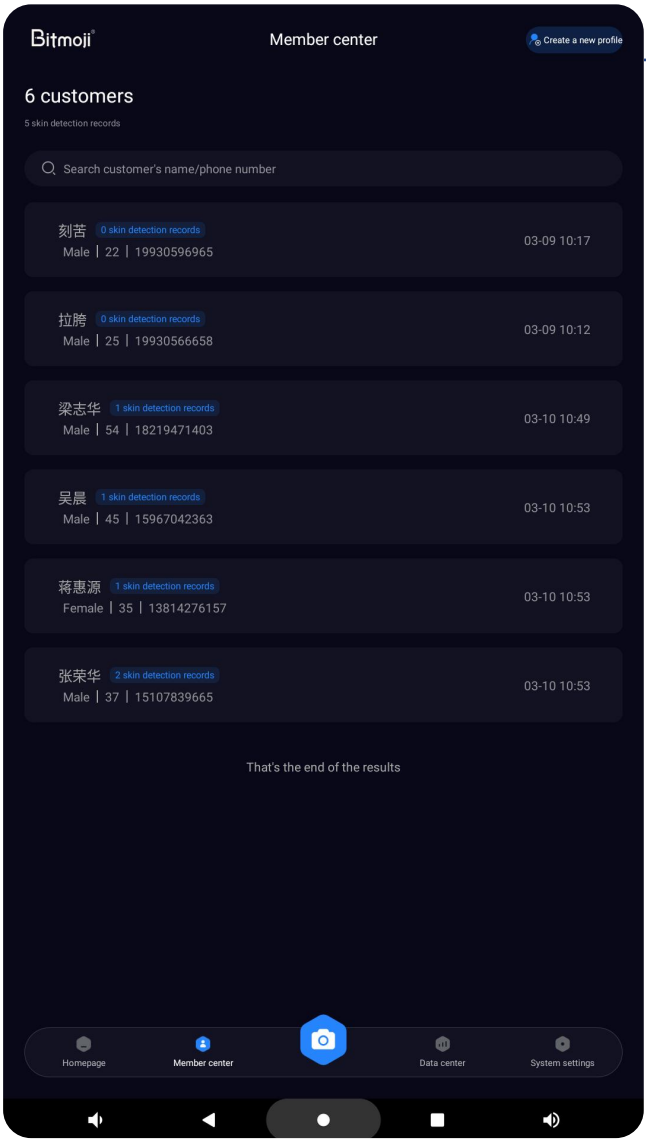
Language adjustment

Serial number

Instrument problems  
can be found in the  
background and solve

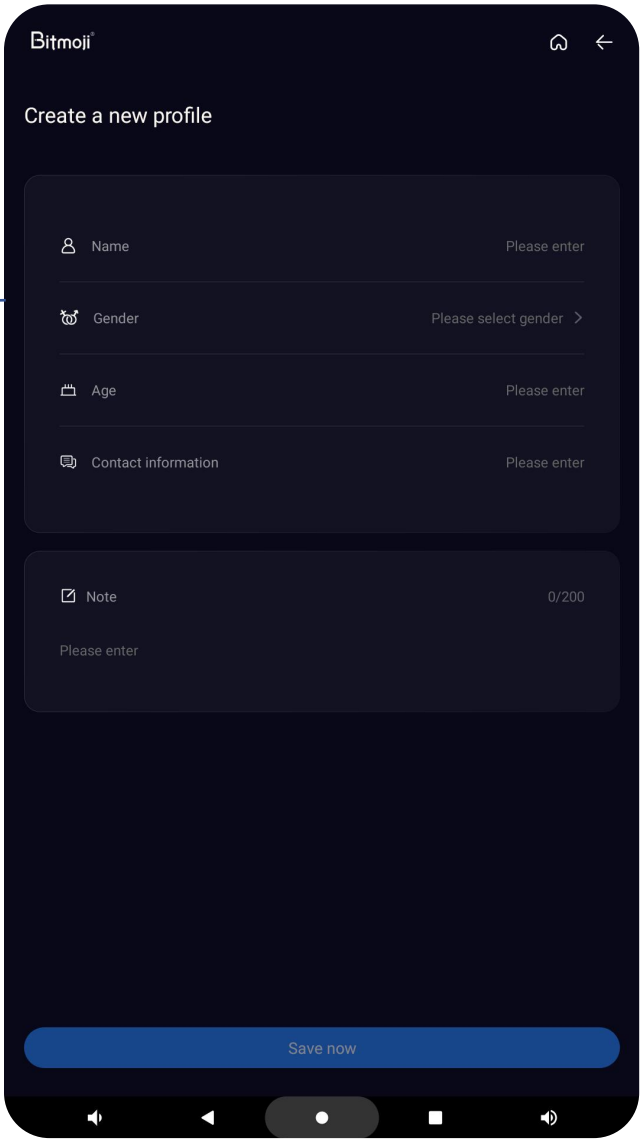
# File management

【T8 AI Intelligent Scalp Analyzer】



History

New archives



# Data management

【T8 AI Intelligent Scalp Analyzer】

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## Choose the year and the month

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

M-F

The 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

## Problem proportion

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

Available year

Age distribution

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



# Back-stage management



Free entry  
Nursing project

Multiple  
equipment  
unified  
management

Real time  
executive  
Customer file

View in real  
time  
Test records  
And edit



02

HARDWARE  
PARAMETERS

T8 AI Intelligent Scalp Analyzer

# Hardware parameters

## Parameter information

T8

Type number	T8
Light spectrum	White light, positive polarization, negative polarization, UV
Product material	Industrial grade ABS
Electric source	AC100-260V,50/60Hz
Product size	354 x215 x520mm
Central processing unit	The Cortex-A53 has up to 2.3GHz octa-core
Main plate	MT-6765 motherboard with Android 13 operating system
Internal memory	Dual channel LP DD R4, 4G
Hard disk	MMC5 .1, 32G
Mode of operation	Multipoint capacitive touch
Screen feature	Portrait display
WIFI	Built-in dual-band WIFI(2.4G, 5G)
HDMI	1 Pcs
USB	4 Pcs
Screen scale	16:9
Screen size	20.5 inches
Screen pixel	1920 * 1080
Other accessories	50px hand, 200px hand, moisture detection hand, hand bracket, power cord

# Hardware parameters

【T8 AI Intelligent Scalp Analyzer】

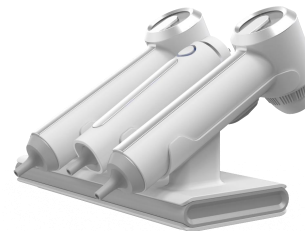
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Touch screen display



Select the handset button



Handpiece



USB spigot

Mains switch

Power plug

【T8 AI Intelligent Scalp Analyzer】



T8 AI Intelligent Scalp Analyzer

03

4 spectrum  
image  
analysis



## 4 spectrum image analysis



**White light**

### **Principle:**

Under the uniform irradiation of the natural light source, the miscellaneous light is filtered out, which clearly presents the scalp problem visible to the naked eye. The scalp texture, the skin groove, and the distribution characteristics of the skin ridges can be observed under white light. It can be used to observe the scalp color, hair density, hair thickness, scalp sensitivity and other issues.

## 4 spectrum image analysis



**Positive polarization light**

### **Principle:**

Using parallel polarization light technology, is used for the scalp skin surface (cuticle) reflected light into the camera, inhibit the scalp skin surface scattering light, strengthen the skin reflection, can improve the development clarity of skin surface texture, enlarge local details, to clearly observe the skin texture flatness, such as: Sebum, scalp texture, etc

## 4 spectrum image analysis

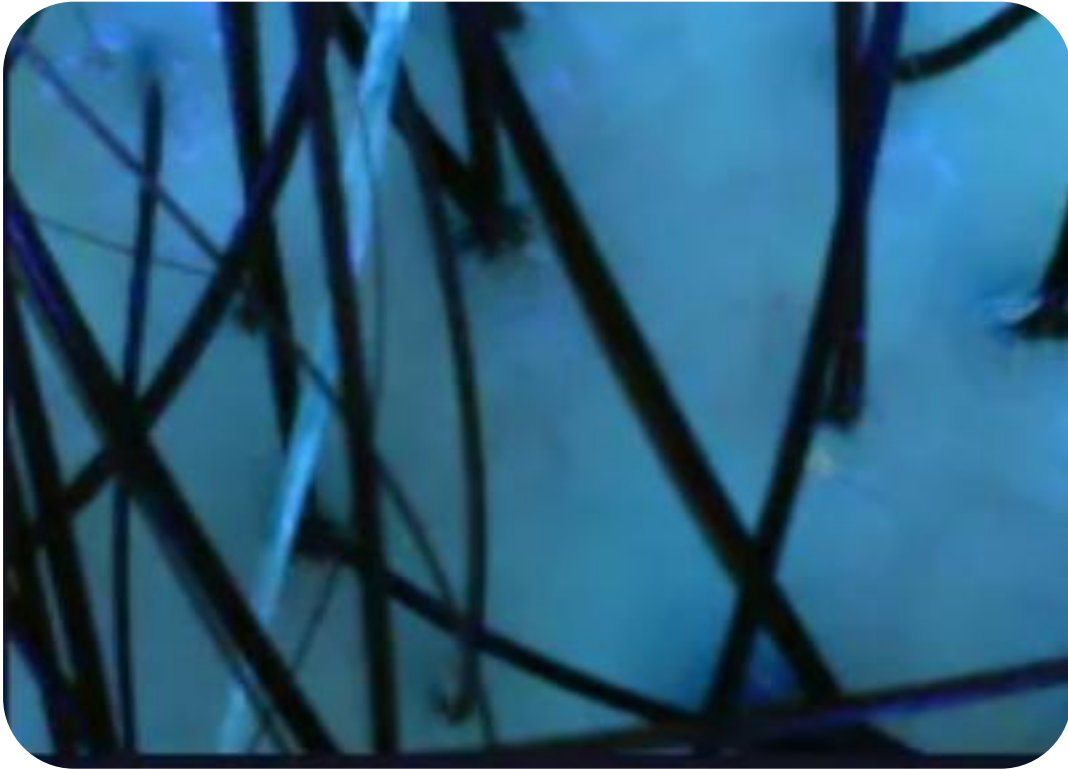


**Negative polarization light**

### **Principle:**

Using special cross polarization group, can effectively reduce the direct reflected light, cross polarization pattern is by the scalp skin base and dermal layer reflected light into the lens, the like and base and dermis is rich in melanin and hemoglobin, so cross polarization pattern used to see the scalp skin deep (base and dermis), show capillaries and pigmentation state, such as white hair, thickness, hair, hair follicles, dandruff, red blood, sensitive inflammation and pigment abnormal scalp problem auxiliary diagnosis and curative effect observation.

## 4 spectrum image analysis



**UV light**

### **Principle:**

At a wavelength of 365nm, the cells and tissues of the scalp skin have the natural function of converting invisible light into visible fluorescence, thus effectively turning the scalp skin into a luminous body. UV light penetrates from the surface of the scalp skin to various layers, stimulating different fluorescence, these fluorescence enters the lens to image the scalp symptoms, can be used for the scalp hair follicle mouth blockage, dandruff, fluorescent agent and other problems detection.





T8 AI Intelligent Scalp Analyzer

04

13 analysis  
detection  
indicators

# 13 test indicators-moisture test report



On the left is the individual score and grade division, and on the right is the site

Symptom description

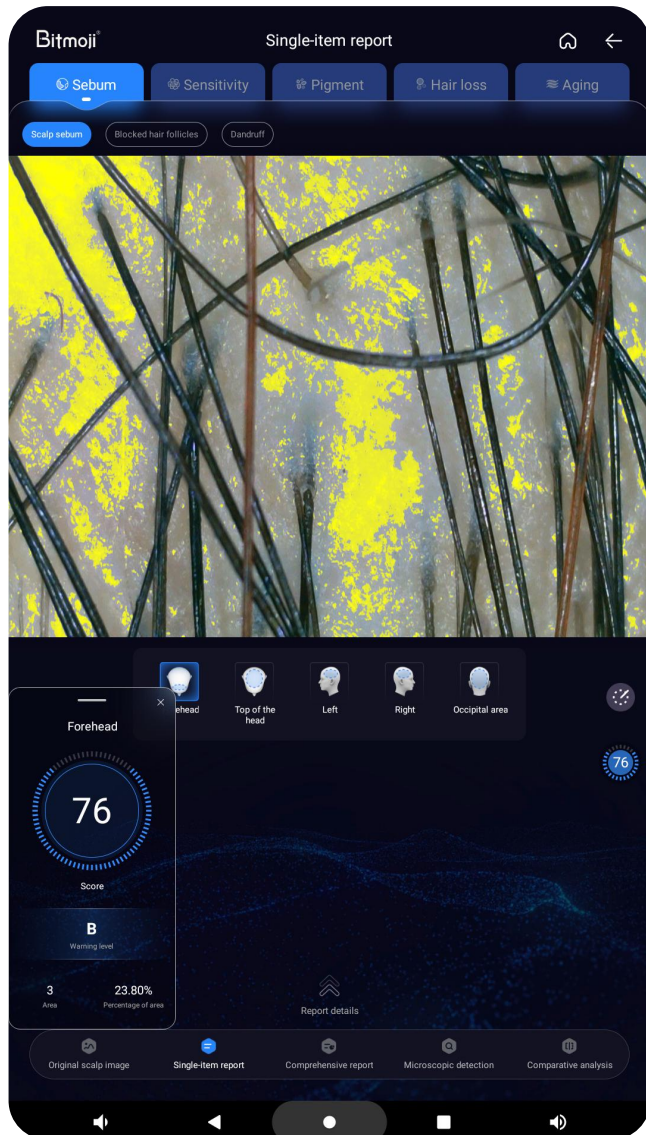
Nursing advice



Click on the hand set, the corresponding hand set will follow the light on

Hand-held scalp moisture detection hand

# 13 test indicators

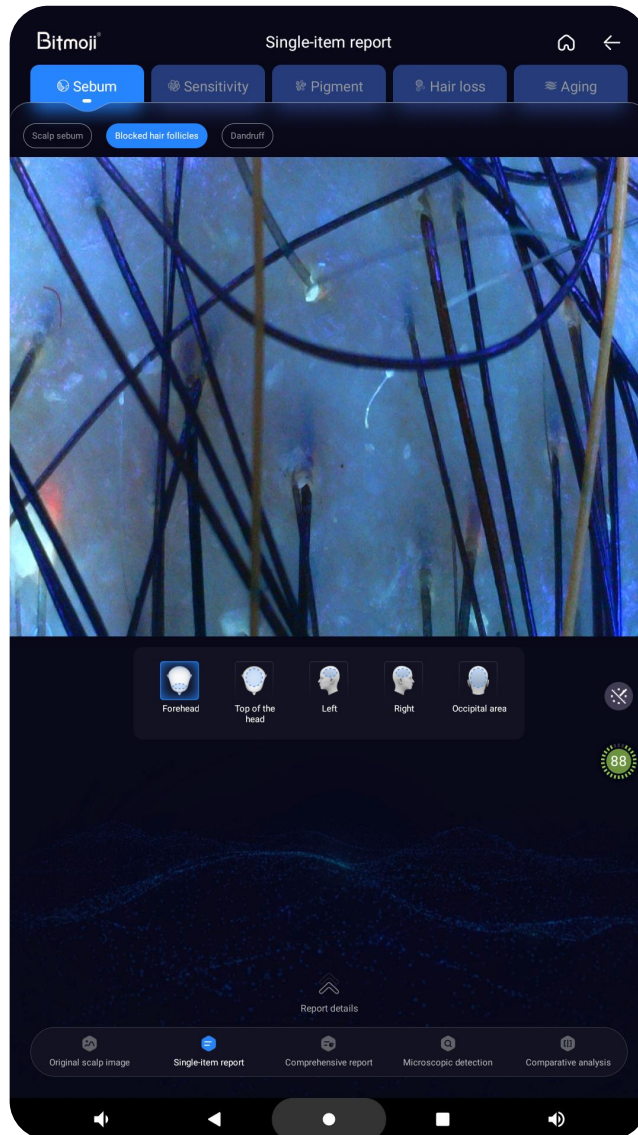


## Scalp sebum

### [View Analysis](#)

- ❑ Under polarized light, the sebum secretion on the scalp surface can be observed. The AI algorithm visualizes areas with excessive sebum production through yellow fluorescence, providing clear and intuitive data-driven insights into scalp Sebuminess.
- ❑ Excessive sebum secretion can make the scalp appear Sebumy and shiny, attracting dust and promoting the growth of bacteria and fungi (e.g., Malassezia), which may lead to conditions such as seborrheic dermatitis, folliculitis, and even hair loss.
- ❑ Conversely, insufficient sebum production results in a dry scalp, flakiness, and hair that becomes dry, brittle, and prone to breakage.

# 13 test indicators



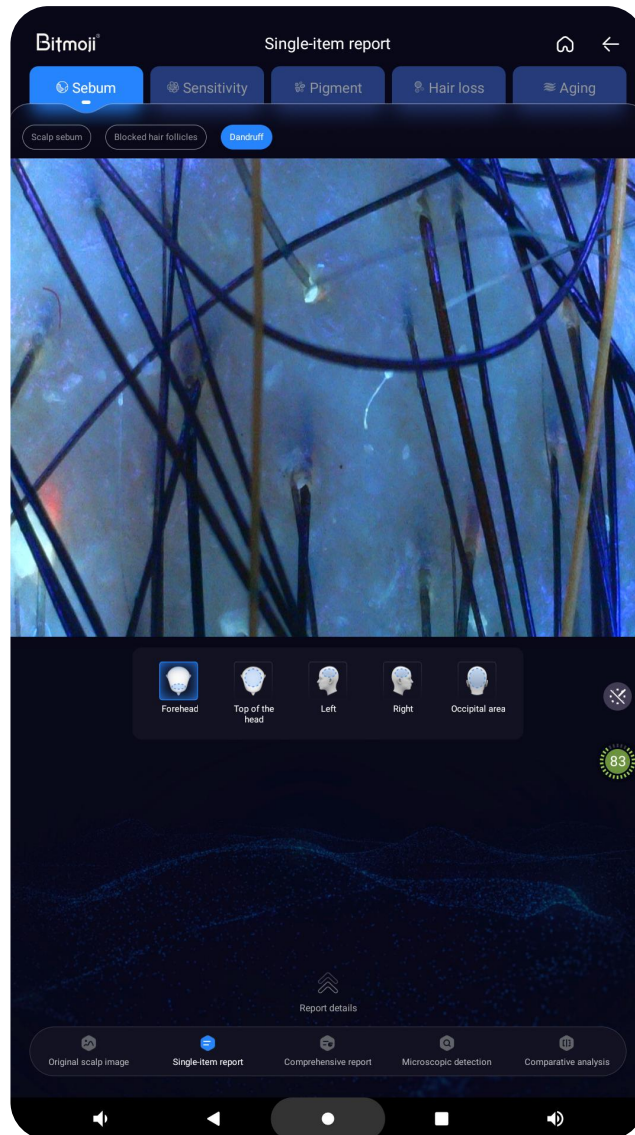
## Blocked hair follicles

### View Analysis

- ❑ Under UV illumination, the clogging condition of scalp pores can be observed.
- ❑ The AI-powered algorithm visualizes obstructed pores through fluorescence signals, offering a clear, data-driven representation of follicular blockages.
- ❑ When excess sebum secretion cannot be effectively expelled, it accumulates within pores, leading to obstructions. These clogged pores create an ideal breeding ground for bacteria and fungi (e.g., Malassezia), increasing the risk of folliculitis, seborrheic dermatitis, and other inflammatory conditions. Such inflammation manifests as scalp redness, swelling, itching, and pain, further compromising scalp health.



# 13 test indicators

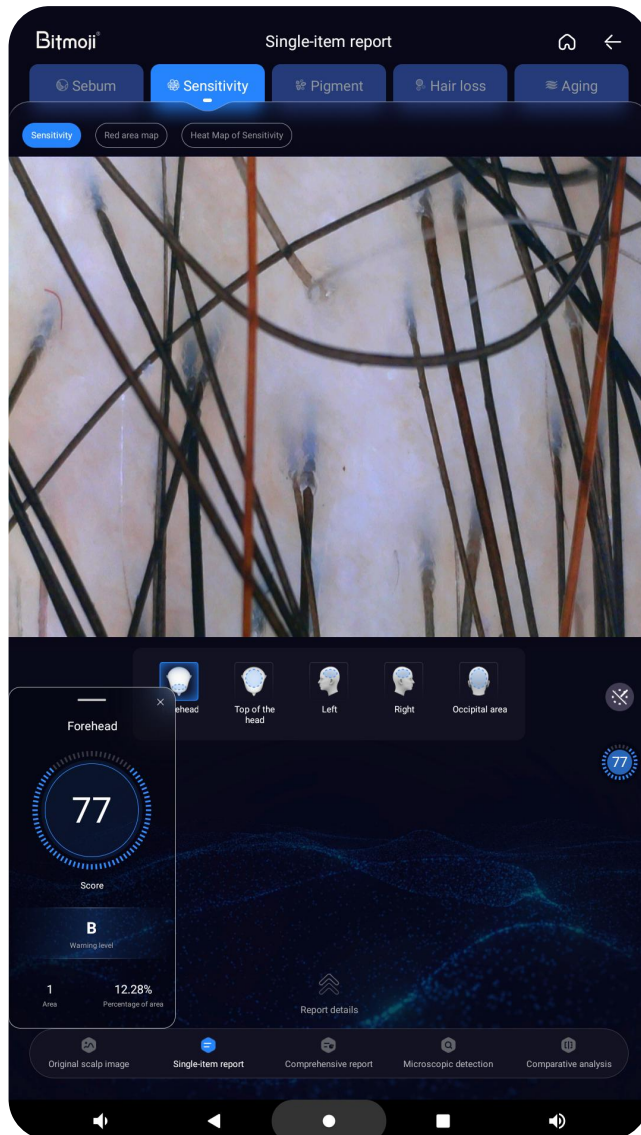


## Dandruff

### [View Analysis](#)

- ❑ The scalp and dandruff plug condition can be viewed under the white light source.
- ❑ The algorithm presents the area of dandruff in the scalp through irregular white blocks, and sees the dandruff situation more clearly and intuitively in the form of data.
- ❑ Microbial communities exist on the scalp, like Malassezia is a common fungus. Normally, it is symbiotic relationship with the scalp. But when Malassezia overbreeds, it breaks down sebum to produce oleic acid, stimulating the scalp, leading to excessive hyperplasia of the cuticle, which produces a large amount of dandruff.

# 13 test indicators

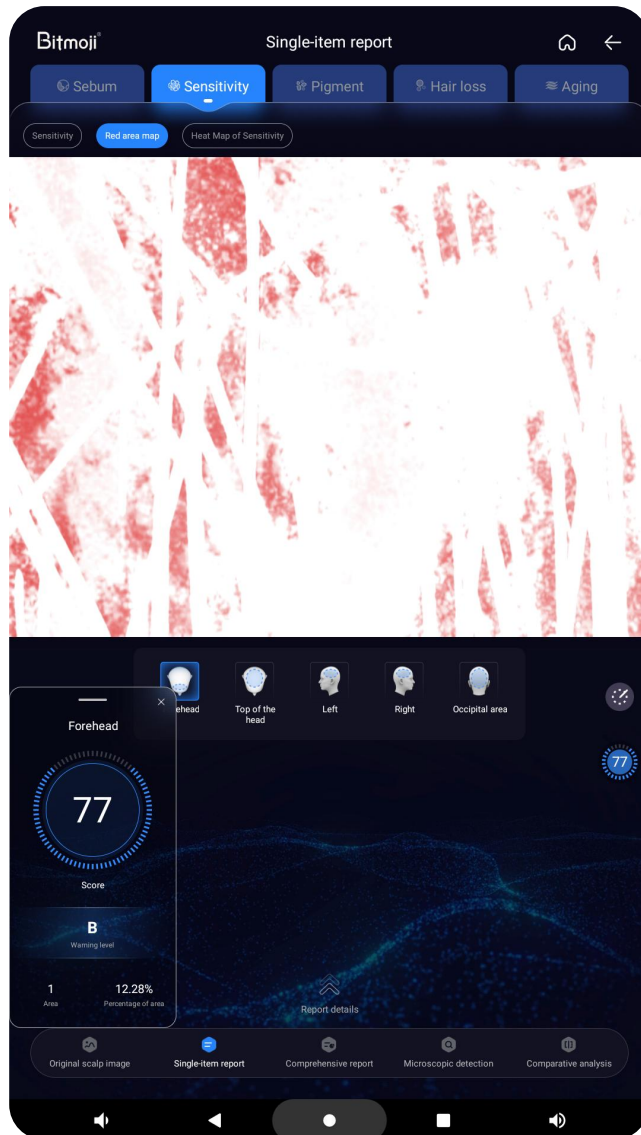


## Sensitivity

### View Analysis

- ❑ In the negatively polarized light source, we can check the redness of the superficial skin and the distribution of red blood.
- ❑ The algorithm presents the sensitive areas in the scalp in red, and sees the sensitive situation more clearly and intuitively in the form of data.
- ❑ Polarized light clearly presented red blood silk distribution in the representative skin thin cuticle more sensitive need to do a good job of protective care.

# 13 test indicators

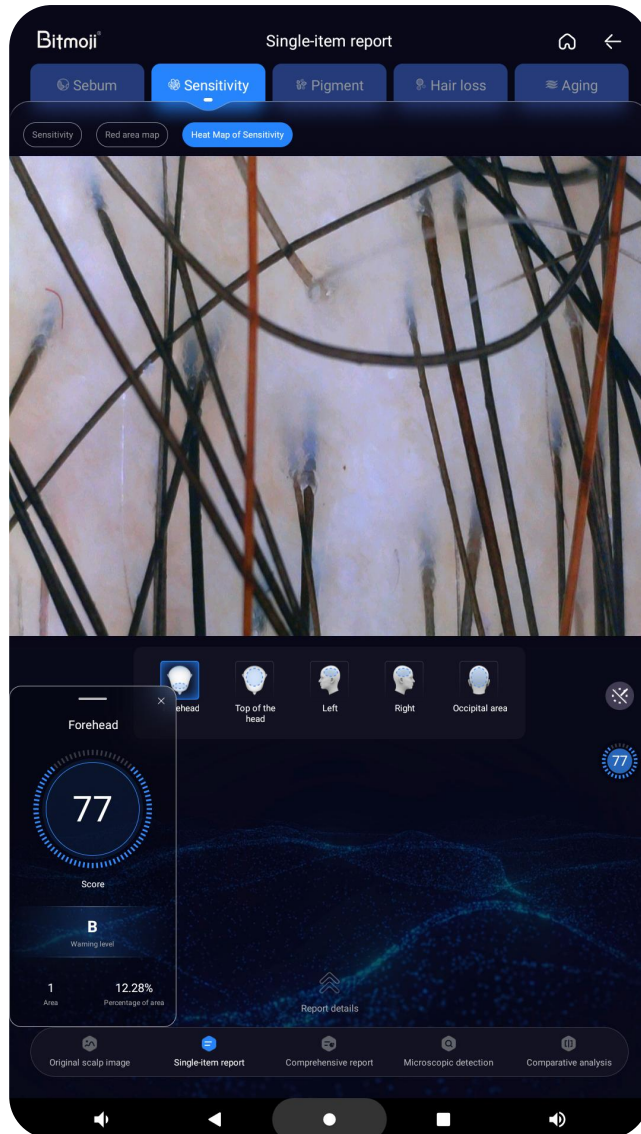


## Red area map

### View Analysis

- ❑ In the negatively polarized light source, we can check the redness of the superficial surface of the scalp and the distribution of red blood.
- ❑ The red concentrated area represents the scalp heme accumulation concentrated area, which can make the reference judgment of the scalp sensitivity and inflammation area, and the situation can be seen more clearly and intuitively in the form of data.

# 13 test indicators



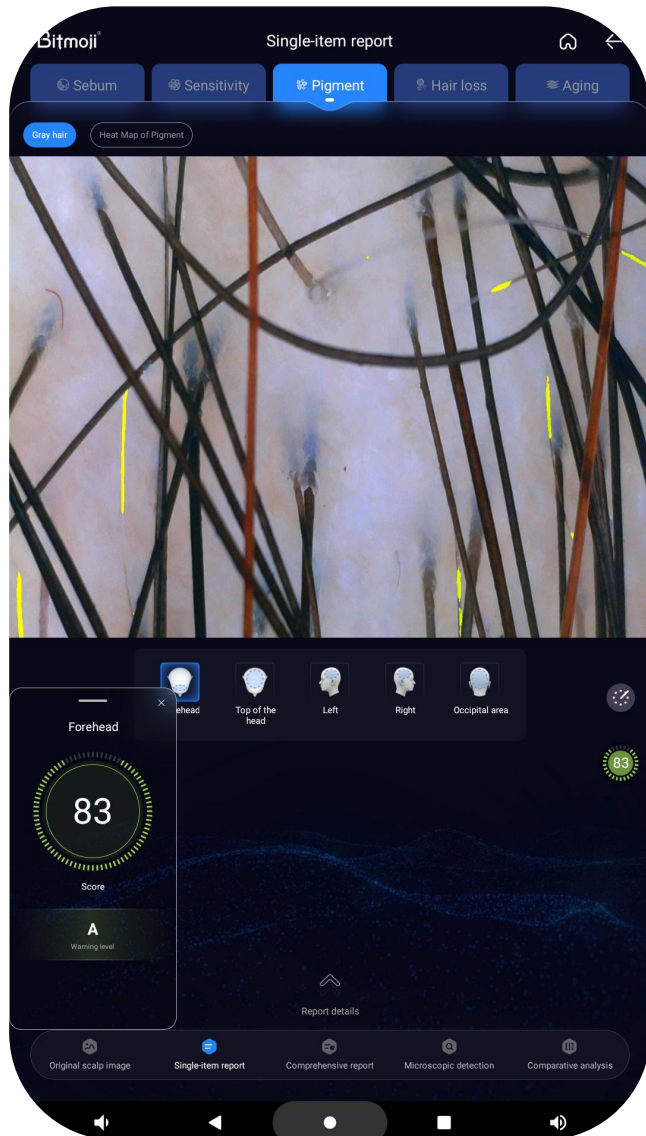
## Heatmap of sensitivity

### [View Analysis](#)

- ❑ The sensitive heat maps show the scalp sensitive condition. The scalp is seriously red, and the cuticle becomes thin, which will cause the scalp to be vulnerable to external stimulation and injury, and appear dry, sensitive and other problems.
- ❑ The algorithm shows different colors according to the severity of sensitive symptoms and the distribution areas of the scalp. The area with severe sensitivity is dark red, yellow is medium, green indicates less sensitivity, and normal performance is blue. Through the form of data, the sensitivity will be more clear and intuitive reflected.



# 13 test indicators

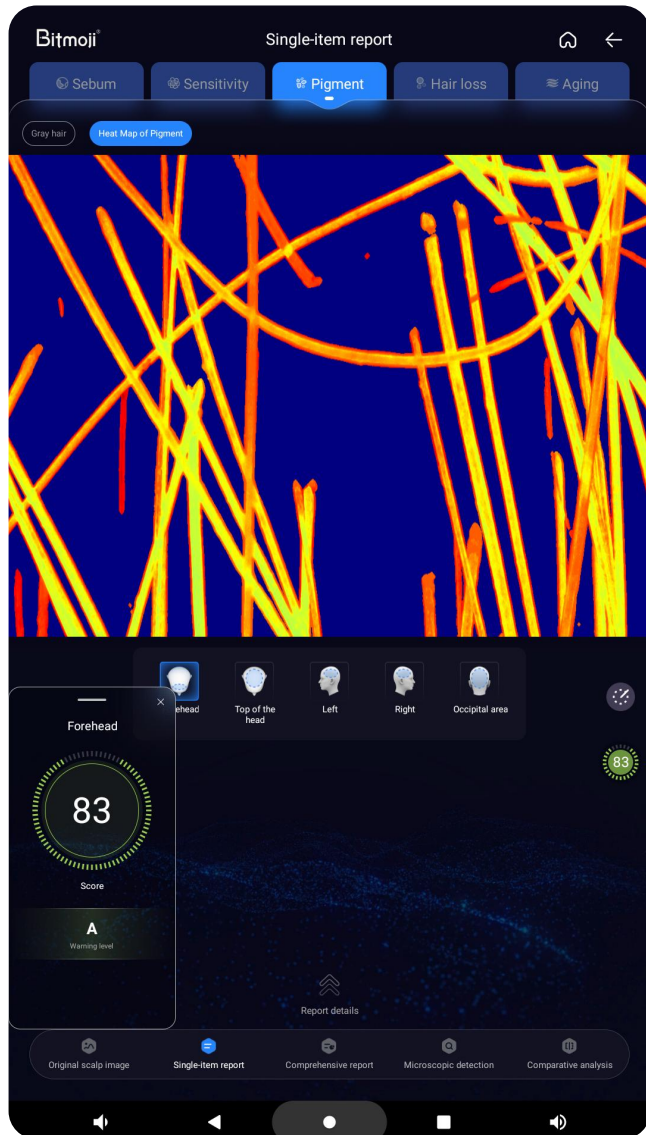


## Gray hair

### [View Analysis](#)

- ❑ In the picture, hair is the algorithm AI presents gray hair, brown hair and black hair in three different hairs through three different colors (white, brown and black). Through the form of data will be the white hair more clear and intuitive embodiment.
- ❑ The premature appearance of white hair is closely related to body function decline and nutritional imbalance. Continuing development can lead to more serious health problems.

# 13 test indicators

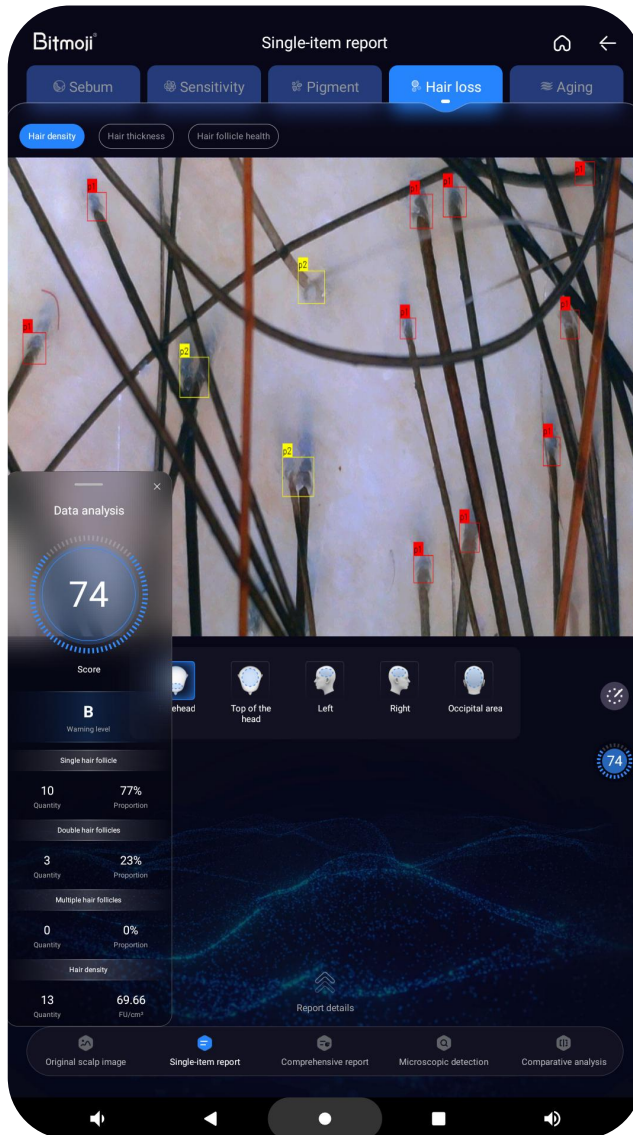


## Heatmap of pigment

[View Analysis](#)

- ❑ Pigment heat map can view the distribution of pigment in the deep skin.
- ❑ The algorithm recognizes the distribution of hair pigment on the scalp and presents it in a heat map. Different colors indicate the distribution of white hair, brown hair and black hair visible on the negative polarized light, where red is white hair, orange is brown hair, green is black hair and blue is scalp. Through the data form is more clear and intuitive to see the situation of pigmentation.

# 13 test indicators

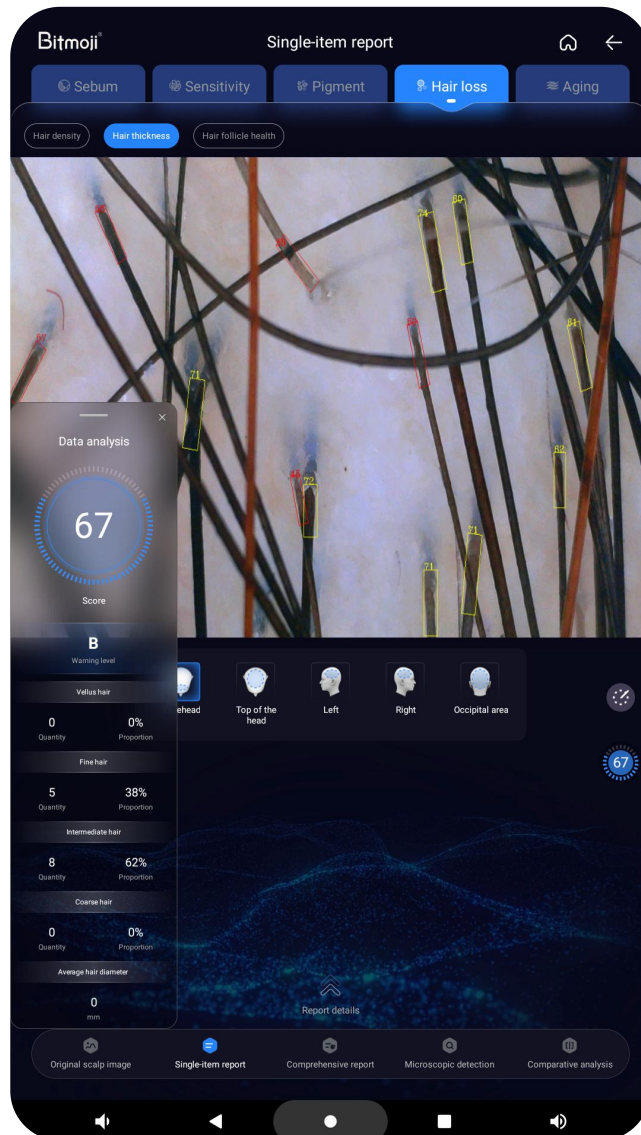


## Hair density

### [View Analysis](#)

- ❑ The algorithm identifies the number of hair in the follicle mouth, presented by rectangular boxes of different colors. Blue indicates a hair in the hair follicle mouth, green indicates two hair hairs, and white indicates three heel hair in the hair follicle mouth. Through the form of data, more clear and intuitive to see the number of hair follicles.
- ❑ Seborrheic dermatitis can also have an effect, excessive sebum secretion and inflammation will block the hair follicle mouth, damage the hair follicle, interfere with the normal growth of hair, cause hair reduction.

# 13 test indicators



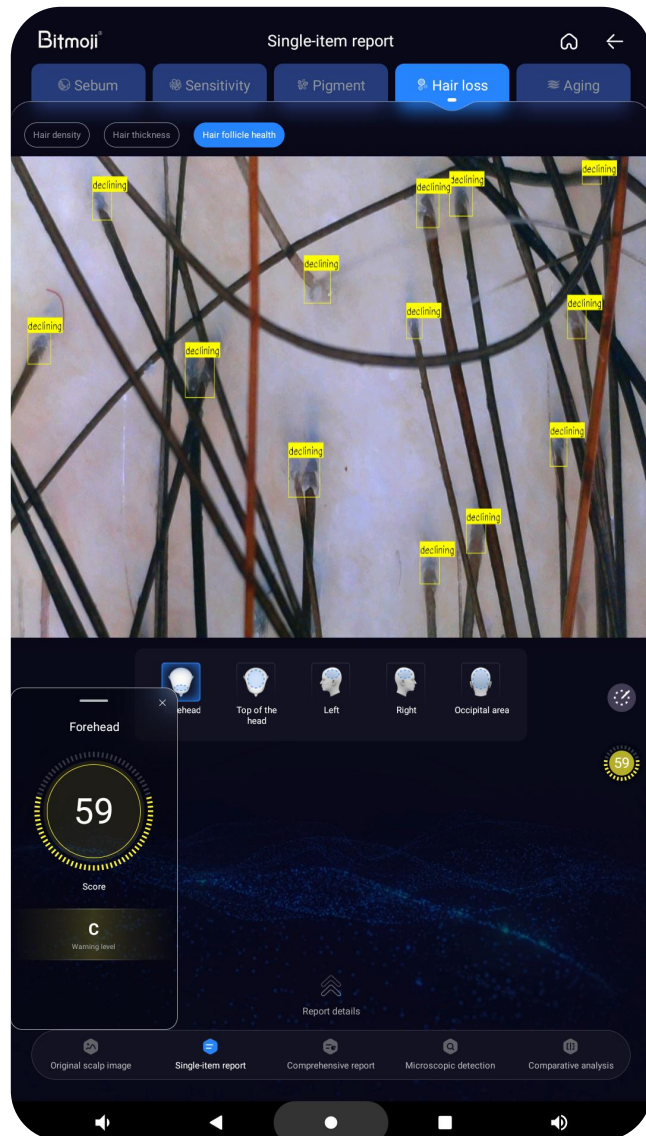
## Hair thickness

### [View Analysis](#)

- ❑ The algorithm identifies the hair thickness of the hair follicle mouth, presents it through rectangular boxes of different colors, and intuitively marks the data. Where green indicates thinner hair and yellow indicates thicker hair. Through the data form more clearly and intuitively to see the thickness of the hair.
- ❑ Seborrheic dermatitis can also have an impact, excessive sebum secretion and inflammation will block the hair follicle mouth, damage hair follicles, interfere with the normal growth of hair, cause hair reduction.
- ❑ Hormonal effects can slow the body's metabolism and thin the hair, and the hair thickness may return to normal when the disease is cured.



# 13 test indicators

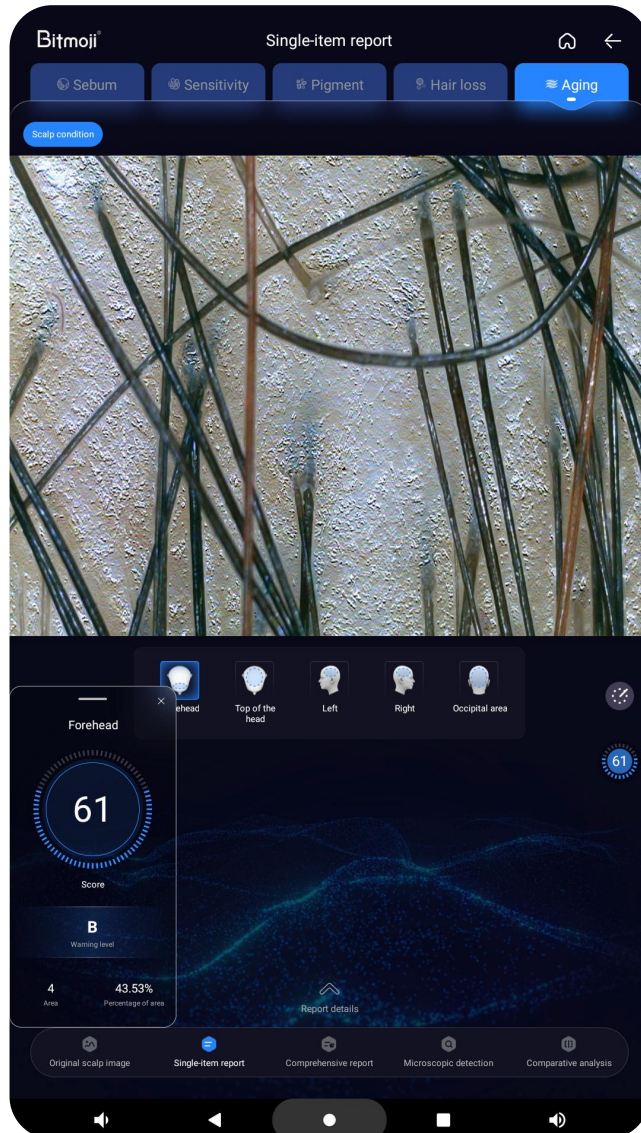


## Hair follicle health

### [View Analysis](#)

- ❑ The algorithm identifies the health of the follicle mouth is presented by rectangular boxes of different colors. Where green indicates healthy follicle mouth, yellow follicle atrophy and red follicle decline. Through the data form more clearly and intuitively to see the thickness of the hair.
- ❑ Hair follicles are the basic unit of hair growth, which provides nutritional and physical support for hair growth and controls the hair growth cycle, including the growth period, regression period and rest period.

# 13 test indicators



## Scalp condition

### [View Analysis](#)

- ❑ View the scalp surface texture under a positively polarized light source.
- ❑ The loss of elastic fiber and collagen of the scalp, the elasticity decreases, began to relax, wrinkles, serious will lead to the forehead skin relaxation, hairline back.
- ❑ Hair follicles atrophy, hair thinning and soft, slower growth rate, less hair, white hair and hair loss problems intensified.



T8 AI Intelligent Scalp Analyzer

05

Service



# Our service

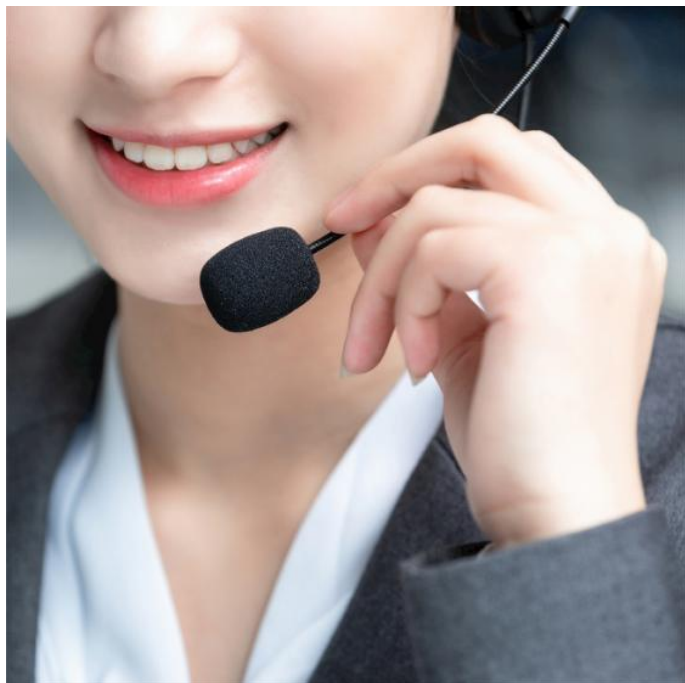
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Bitmoji-tek



Artisan Excellence

Source manufacturer



Commissioners Service

After-sales guarantee



Training guidance

Professional teaching

# Our service

Educational materials, operating instructions, and operation videos are all available







T8 AI Intelligent Scalp Analyzer

06

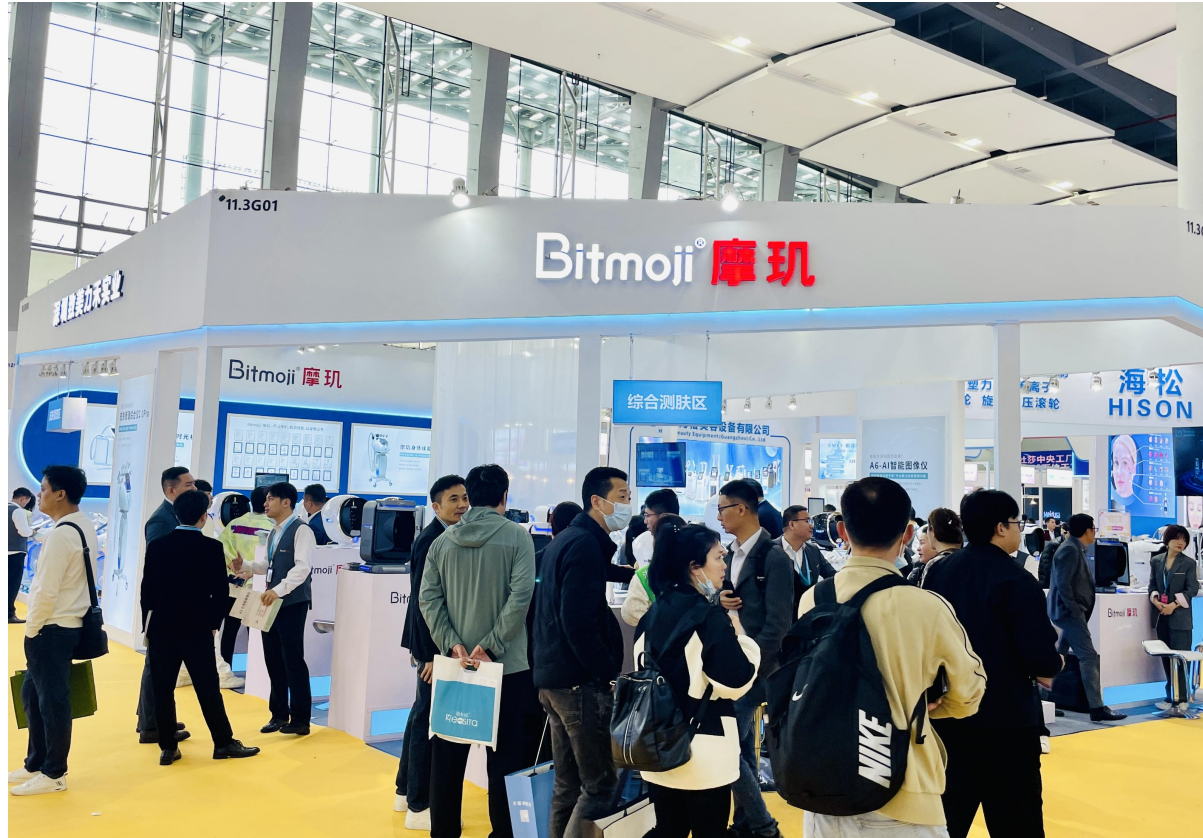
Brand  
cooperation

# Brand cooperation





# Part of the exhibition



Guangzhou  
Beauty Fair



Shanghai Hongqiao  
Exhibition

# Product patent, test report, certification certificate display



# Wecome to join us