Bitmoji®摩玑

LEAD TECHNOLOGY CREATE BEAUTY

X3 Al Intelligent Imager

X3 Al Intelligent Imager: With a research and development focus on solving skin problems, it integrates fourteen spectral imaging technologies and can professionally and objectively analyze twenty problems of facial skin with flexible operations. The original intention of the research and development is to take photos and analyze reports with just one click. making it more convenient to operate.



Supports 19 languages



Adapt to the scene



Medical beauty agency



Skin Management Center



Cosmetics CS



Facial aging analysis



Verification of anti-aging product effects



Support scientific research experiments

Catalogue



PARAMETERS

14 **SPECTRAL IMAGE ANALYSIS**

17 ITEMS **INDICATORS** MICROSCOPIC DETECTION **SKIN DETAILS**

OUR SERVICE

BRAND COOPERATION **ORGANIZATION**



FUNCTION DEMO

X3 Intelligent Imager

Click on the setting to adjust the parametersters

Banner

ening the era of customized

Video on Functions



Analysis of 4major symptoms

30+detection dimensions



Analysis of aging











Dorsal nasal lines

the eves

Crow's feet

Nasolabial folds

Sensitive analysis









Acne rosacea



Pigment analysis











Spots

Skin quality analysis







Porphyrin







Wrinkle

Moisture

Function demo

3D SHOOTING

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FIVE-SPECTRAL PHOTOGRAPHY, FOURTEEN-SPECTRAL IMAGING

TWO SKIN TESTING MODES







CLOUD DATA STORAGE

SEVENTEEN TESTING INDICATORS







CUSTOMER FILE MANAGEMENT

FIVE COMPARATIVE ANALYSIS MODES





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ADJUSTING SKIN TEST RESULTS

THREE REPORTING MODES





BACKEND SYSTEM MANAGEMENT

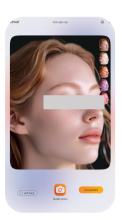
3D Shooting



Front face



Left face



Right face

Four skin tones available



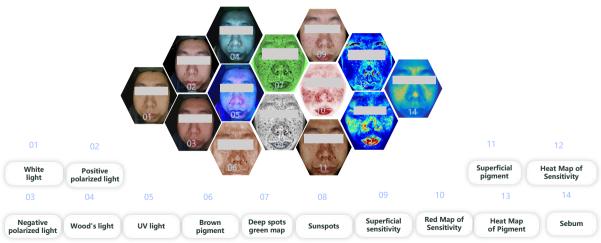
Yellow Skin

White skin

Dark skin

Brown skin

Fourteen spectral images

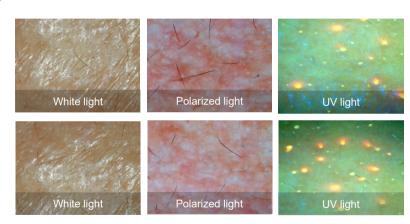


Functional coverage

Microscopic image
presentation of skin detail problems



Handheld skin microimager



Multiple light source targeting analysis

Seventeen testing indicators



Pore

Blackhead

Sebum

Superficial sensitivity

Acne

Wrinkle

Sunspots

Superficial pigment



X3 Intelligent Imager



Collagen

Fluorescent agent

Deep spots green map

Pigment brown map

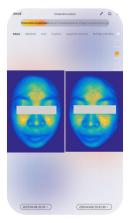
Heat Map of Sensitivity

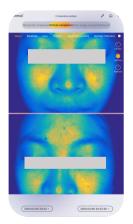
Heat Map of Pigment

Red Map of Sensitivity

Lead technology create beauty

Five comparison modes







Parallel comparison

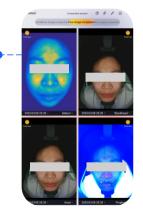
Vertical comparison

Mirror comparison

Lead technology create beauty

Five comparison modes

Comparison of the effects of single indicators before and after.

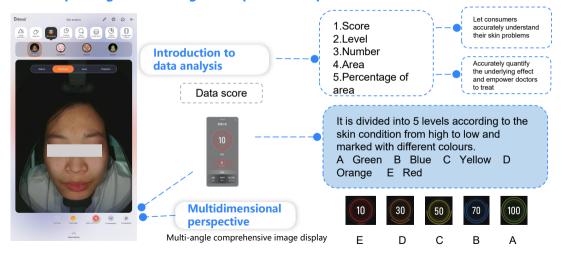


Analysis and comparison of multiple problem indicators before and after skin care.

Comparison of four figures

Comparison of six figures

Three reporting modes-single independent report

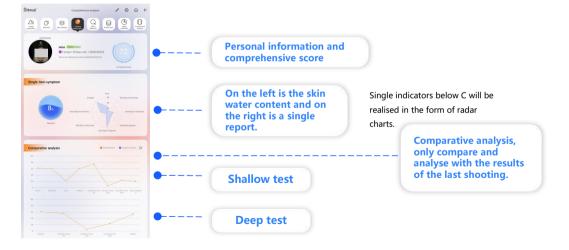


Three reporting modes-single independent report



Slide the arrow up to a pop-up window of a single report.

Three reporting modes-Comprehensive analysis report



Three reporting modes-Comprehensive analysis report





For the text report of a single test item (problem analysis and daily care advice), the system will update in real time according to the level score in the state at that time with five different scoring levels.





H5 Mobile phone report

Scan the code on your mobile phone to get the report

Skin prediction



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

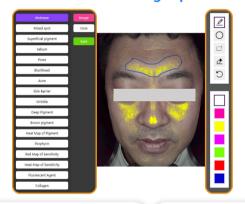
According to the customer's current skin condition, AI algorithm is used to simulate the ageing situation of different ages to realise the prediction of skin ageing.



Skin prediction

Skin prediction

Innovative self-editing reports





The background automatically selects the image to be edited for annotation

Customize any test results you want

You can debug results for each indicator

Free copy editing

Manual optimization of detection projects



Parameter adjustment





It can be adjusted as a whole

Test items for My equipment

The language

can be adjusted



Serial number

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



Cloud storage file management





Cloud storage

One click search

Number of skin tests

File Management

Profile

Backend management

Recording nursing project freely

Unified management of multiple equipments Customer profile management in real-time

Review and edit detection record in real-time



X3 Intelligent Imager

02

PARAMETERS

Hardware parameters



Hardware parameters





X3 Intelligent Imager

03

FOURTEEN SPECTRAL IMAGE ANALYSIS









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.









White light



Positive polarized light

THEORY

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).











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.









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.









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.









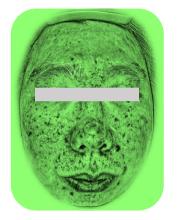
Brown pigment

THEORY

The brown image can not only show deep pigmentation, such as the early manifestations of chloasma in the dermis, but also more obvious pigmentation in the superficial layer, such as moles, freckles, sun spots, uneven skin tone, etc.







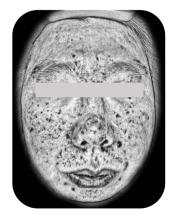
Deep spots green map

THEORY

Under the green pigmentation map, the pigmentation condition of the underlying skin can be presented deeply and intuitively. For example, deep melasma, freckles and other spots can be more clearly displayed in terms of location, distribution range and color depth under the green map, helping to judge the severity of the pigmentation problem.







THEORY

Under the pigment lead map, potential pigment spots under the epidermis can be detected, even early sun spots or potential sun spots that are difficult to detect with the naked eye can be displayed. If daily sun protection is not in place, more dark spots will appear.









Superficial sensitivity

THEORY

Under the light source, sensitive areas will appear noticeably red. If there is inflammation or an allergy, the area will be more obvious in the picture, and the scope and severity of the inflammation can be clearly seen.







Red of Sensitivity

THFORY

The hemoglobin chart shows the distribution of red pigment in the superficial layer of the skin, which in turn reflects the status of hemoglobin in the skin. It can help observe whether the skin has problems such as redness and inflammation. If the color of a certain area is significantly darker, it may indicate inflammation, sensitivity or vasodilation in that area.







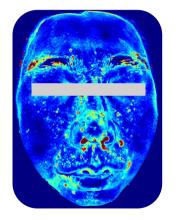
Superficial pigment

THEORY

The superficial pigment map clearly shows the location, range and severity of superficial pigmentation and inflammation.







Heat Map of Sensitivity

THEORY

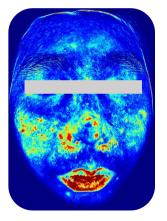
Under the sensitivity heat map, you can clearly see the skin sensitive areas displayed intuitively in different colors, such as red for high sensitivity, yellow for moderate sensitivity, green for mild sensitivity, and blue for relatively normal. This allows professionals and users to quickly understand the distribution and range of skin sensitivity.





THEORY

Fourteen spectral image analysis



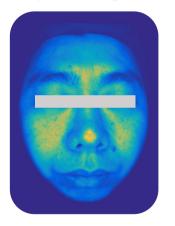
locatio

The pigment heat map can clearly show the location, range and severity of spots, inflammation and uneven skin tone.









THEORY

The bright yellow distribution is clearly shown in the image, which can clearly show the distribution and concentration of oil in each layer of the epidermis. Excessive oil secretion will affect the keratinization of the sebaceous gland duct of the hair follicle, causing blockage of the hair follicle opening, and then symptoms such as acne, papules, and pustules will appear on the surrounding skin.









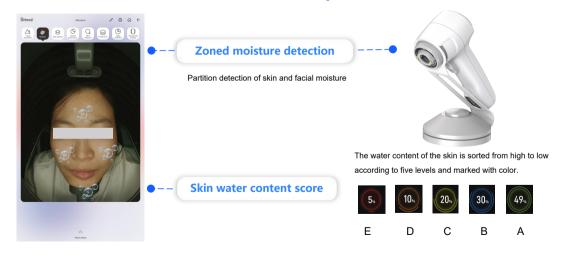


20

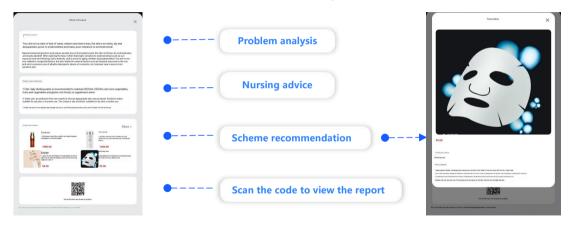
DETECTION FUNCTIONS

X3 Intelligent Imager

20 Detection function-Moisture test report 1



20 Detection function-Moisture test report 2











Sebum/Oil

- The oil secretion of the skin surface can be checked.
- The algorithm displays areas of the skin with active oil secretion through yellow fluorescence, Through the form of data, you can see the oiliness of facial skin more clearly and intuitively.
- Excess oil is one of the factors that trigger acne growth, so please take good oil control care if you have acne.









Blackheads

- Under negative polarized light source, you can see blackheads formed by pores clogged by oil in the T-zone.
- The algorithm uses RBX technology to highlight the blackheads in the T-zone by deepening their color; The blackheads of the nose can be seen more clearly and intuitively through the data.
- Blackheads are formed by excess oil accumulation in the nose area of the skin and air oxidation. Areas with large pores are more likely to accumulate and store oil and dust in the air, so it is necessary to clean and moisturize in time to reduce the formation of large pores.









Acne

- Look at the distribution of skin acne and superficial redness under negative polarized light.
- When pores are clogged with oil and dust, it is easy to fester or form inflammation, which will then turn into acne and acne.
- The algorithm identifies the distribution area of facial acne and marks it with blue circles. The more the number and the more obvious the redness of the skin, the more serious the skin acne problem is, and the skin needs to be oil-controlled to unclog the pores and eliminate inflammation. You can see the acne situation more clearly and intuitively through the form of data.



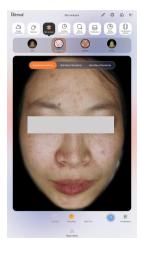






Porphyrin

- The brick-red fluorescent spots in the picture are Propionibacterium acnes and Malassezia. These two bacteria will aggravate the occurrence of skin acne, so they can be used as a basis for judging skin acne. Through the form of data, the situation of porin can be seen more clearly and intuitively.
- The living environment of Propionibacterium acnes and Malassezia must have oil, so they can be used as a basis for judging the accumulation of oil in skin pores.



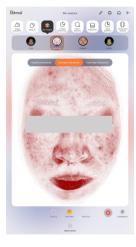






Superficial sensitivity

- We can check the skin barrier health under negative polarized light source.
- The barrier map shows the skin redness problem and the distribution of red blood streaks. The formation of red blood streaks is mainly due to the damage of keratin, the weakness of the epidermis, and the long-term damage of the capillary position, which leads to blood vessel dilation and congestion.
- The red area indicates that the skin barrier is damaged, which can be used as a reference for judging the skin sensitivity and inflammation area.









Red Map of Sensitivity

- We can check the distribution of hemoglobin in the dermis and subcutaneous tissue of the skin.
- Clear hemoglobin in the image means that the skin is thin and sensitive, prone to itching, stinging and other discomforts.
- Areas with more concentrated red represent areas where hemoglobin accumulates more concentratedly in the skin, which can be used as a reference for judging the degree of skin sensitivity and inflammation areas.









Heat Map of Sensitivity

As shown in these images

- The "Heat Map of Sensitivity" represents skin sensitivity. When the skin shows significant redness and thinning of the stratum corneum, it becomes more susceptible to external stimuli and damage, leading to issues such as dryness, sensitivity, and redness.
- The sensitive heatmap is based on the distribution of subcutaneous capillaries, with areas of greater sensitivity having more capillaries. Visible redness and acne on negative polarized light images indicate areas of severe sensitivity.
- The algorithm uses different colors to indicate varying degrees of sensitivity and their distribution on the skin. Areas with severe sensitivity are shown in deep red, including the lips; medium sensitivity is represented in yellow, mild sensitivity in green, and normal skin appears in blue.









Superficial Pigment

- Superficial pigmentation refers to pigmentation that has formed on the superficial layer of the skin, including: acne scars, spots, inflammatory pigmentation, etc.
- The coverage of pigmentation may exist in both deep and shallow layers. You can compare the image with the deep pigment image. If the shallow layer shows pigmentation but the deep layer shows no pigmentation, it means that the pigment is only deposited in the superficial layer of the skin.
- The situation of brown pigment can be clearly and intuitively seen in the form of data.



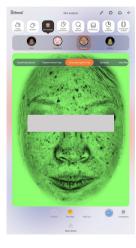






Brown Pigment

- The depth of the overall brown color of the skin is mainly related to the skin color. People with darker skin or more hemoglobin have darker overall pigmentation.
- The areas with heavier pigmentation in the image are mostly those with higher pigment concentration density.
- Through the form of data, the brown pigment can be seen more clearly and intuitively.









Deep spots green map

- The black area in the image is the area of facial comprehensive pigmentation identified by the algorithm. The deep pigmentation can be seen more clearly and intuitively in the form of data.
- The dark (black, gray) block or dot-shaped skin on the face is a display of skin pigmentation (such as: melasma, freckles, malar spots, inflammatory pigmentation, acne marks, hemoglobin aggregation, etc.).
- The pigmentation in the deep layer of the skin can be compared with the sensitivity to determine whether it is an inflammatory hemoglobin accumulation or a pigmentation problem.









Sunspots

- The black area in the image is the facial comprehensive spot area identified by the algorithm. The deep sunburn situation can be seen more clearly and intuitively in the form of data.
- The dark (black, gray) block or dot-shaped skin that appears on the face is a display of skin pigmentation.
- UV spots usually refer to skin spots caused by ultraviolet radiation, and common ones include sunburn, chloasma, and aggravated freckles









Pigment Heat Map

As shown in these images

- Pigment heat map can check the distribution of pigment deep in the skin.
- The algorithm identifies the distribution of pigments on the face and presents it in the form of a heat map. Different colors are used to represent the distribution of spots, moles, and scars visible to the naked eye under negative polarized light. Red indicates severe skin pigmentation, yellow for medium, green for lighter skin, and blue for normal skin.
- Pigment production mechanism: The body's own regulation, physical or chemical factors stimulate melanocytes, increasing their number and enhancing their activity. The melanin produced cannot be completely excreted with the stratum corneum and blood circulation, and eventually deposits in the local skin.





Fluorescent Agent

As shown in these images

- Fluorescent agent and pigments might both appear in facial imaging. To assess the fluorescent agent, focus specifically on the fluorescence response.
- The difference between fluorescent agents and porphyrins is as follows: Porphyrins exhibit brick-red fluorescent spots, while fluorescent dyes display intense blue light and usually appear as large, sheet-like areas.
- ☐ The difference between fluorescent agents and facial
- dust is as follows: Facial dust appears as white, bright, floating, and short, wispy lines on the surface, while fluorescent dyes typically display bright colors and are often more diffuse or spread over larger areas.









Pores

- Under negative polarized light source, it is possible to check if enlarged pores have formed on the skin surface.
- The algorithm uses RBX technology to display areas with enlarged pores in the skin by deepening the color of the pores;The pores in the facial skin can be seen more clearly and intuitively through the form of data.
- Pore clogging refers to the pores on the surface of the skin being blocked, which prevents sebum from being discharged normally, accompanied by the accumulation of stratum corneum and dirt. This phenomenon usually manifests itself in the form of blackheads, whiteheads or acne, and in severe cases may lead to skin problems such as acne and folliculitis.













Wrinkle

- ☐ The texture of the skin surface can be viewed under a positive polarized light source.
- The wrinkle image shows the roughness of the skin texture, such as large pores, dry lines, fine lines, and wrinkles. It can be used as a reference for judging the fineness of the skin and the loss of collagen.
- The algorithm identifies the lines of the facial skin and marks the distribution of the five parts of the skin wrinkles (head-up lines, nose-back lines, peri-eye lines, crow's tail lines, decree lines) with a green short line. The more intermittent lines, the rougher the skin. You can see the wrinkles more clearly and intuitively through the form of data









Collagen

As shown in these images

- Under polarized light, we can assess the loss of collagen on the skin's surface.
- Mixed light images reveal skin texture issues such as enlarged pores, dry lines, fine lines, and wrinkles. They serve as a reference for evaluating skin smoothness and collagen loss.
- In mixed light images, a higher number of discontinuous lines indicates rougher skin texture and more severe collagen loss. The sensitive process is more clearly and intuitively reflected in the form of data.

Profile chart





Profile chart

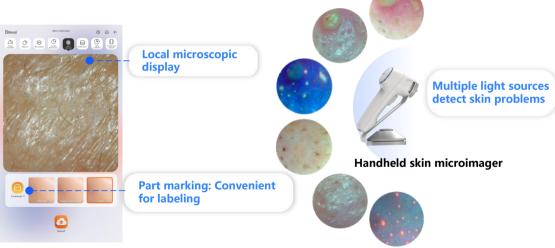
Through UV light, Red pigment map, Wood's light and collagen source comparison, multi-dimensional, deep analysis of skin problems.



MICROSCOPIC DETECTION SKIN DETAILS

X3 Intelligent Imager

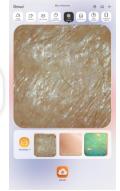
Microscopic detection - Skin Details



Microscopic detection - Skin Details



Independent record tracking for each customer





Comparison display for the same area

Lead technology create beauty

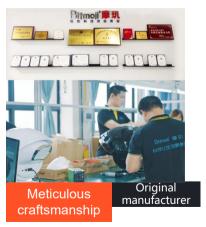


X3 Intelligent Imager

06

OUR SERVICE

Our services







Our services [X3 Intelligent Imager]

Educational materials, user manuals, and instructional videos are all provided.







X3 Intelligent Imager

07

BRAND COOPERATION ORGANIZATION

Brand cooperation organization





















































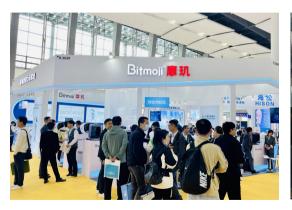








Exhibition Display





Ghuangzhou Beauty Expo

Shanghai Hongqiao Exhibition



Bitmoji®摩玑

Continuous Innovation. Leading Technology. Intelligent Skin Care



Display of product patents, testing reports, and certification certificates





Welcome you join us!