

3D

Skinvista Analyzer

3D Modeling Morphological Analysis



Product Brief Introduction

3D Skin Analyzer provides facial skin test and morphological analysis to generate customized treatment plan; facial high-definition image data by four spectra can be obtained, Resolution is 2000W Pixel for whole face image; combined with professional skin analysis algorithm, highly referential test reports can be generated; within 8S, 180° high-definition scan on whole face can produce 3D facial modeling; facial Feature Points data can be measured precisely; there is digit-driven Aesthetics Design.

Advantages: First Choice Image Analysis Device for Skin Beauty Clinics



3D skin analysis
8S Quick Shooting



11 Intelligent Image
Analysis Modes



Artificial intelligence



High Standard
Color Calibration



Treatment simulation



Measurements &
comparative tools



Compact solution



Easy to share
images&information

Highly-Standard Color Calibration



- Self-Research Skin Color Calibration ISP System based on ColorChecker (24 Colors) ensures the Authenticity and Consistency between skin texture and its image.
- Industrial-Level Standard camera and best flashlight included angle are applied, combined with Smart Modeling Technology, Facial 3D Modeling can be created precisely.

- Example of Local Image Resolution

Four Source Spectra



Natural Light Image



Parallel Polarized Light Image



UV (Ultraviolet) Light Image



Cross Polarized Light Image

11 Types of Smart Image Analysis



Natural

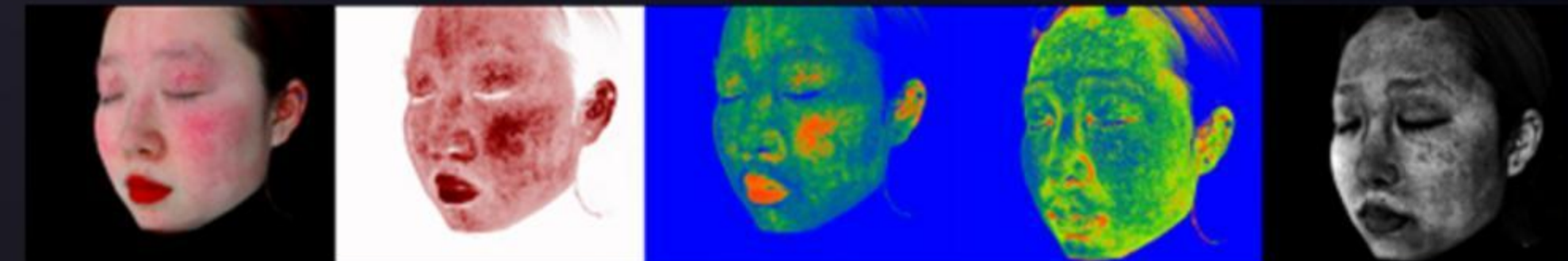
Cool

Cross

Parallel

UV

Brown



BloodSilk

Red

Red Heatmap

Brown Heatmap

UV Spots

Function Analysis

- In Vascular Image, red area value can be extracted and highlighted by image enhancement technology.
- In Red Heatmap, the hemoglobin in skin capillary can be shown by areas of dark red.
- In UV light, there are Porphyrin Imaging, Propionibacterium Acnes, Pityrosporum
- Skin Texture, Skin Flatness, Wrinkles, Fine Lines, Large Pores can be observed.
- UV Pigment Spots Imaging can be used for UV Eumelanin Pigment Spots Imaging.

Red Inflammation Image



Cross Polarized Light Image



Vascular Image



Red Area Image

Image Example:

The reflected light on skin surface can be filtered by Cross Polarized Light. Inflammation, areas of Red Spot, Rosacea can be observed. Skin lesion is shown by Red Spot, Telangiectasia and Inflammation Follicular Pimple, Furuncle, etc.

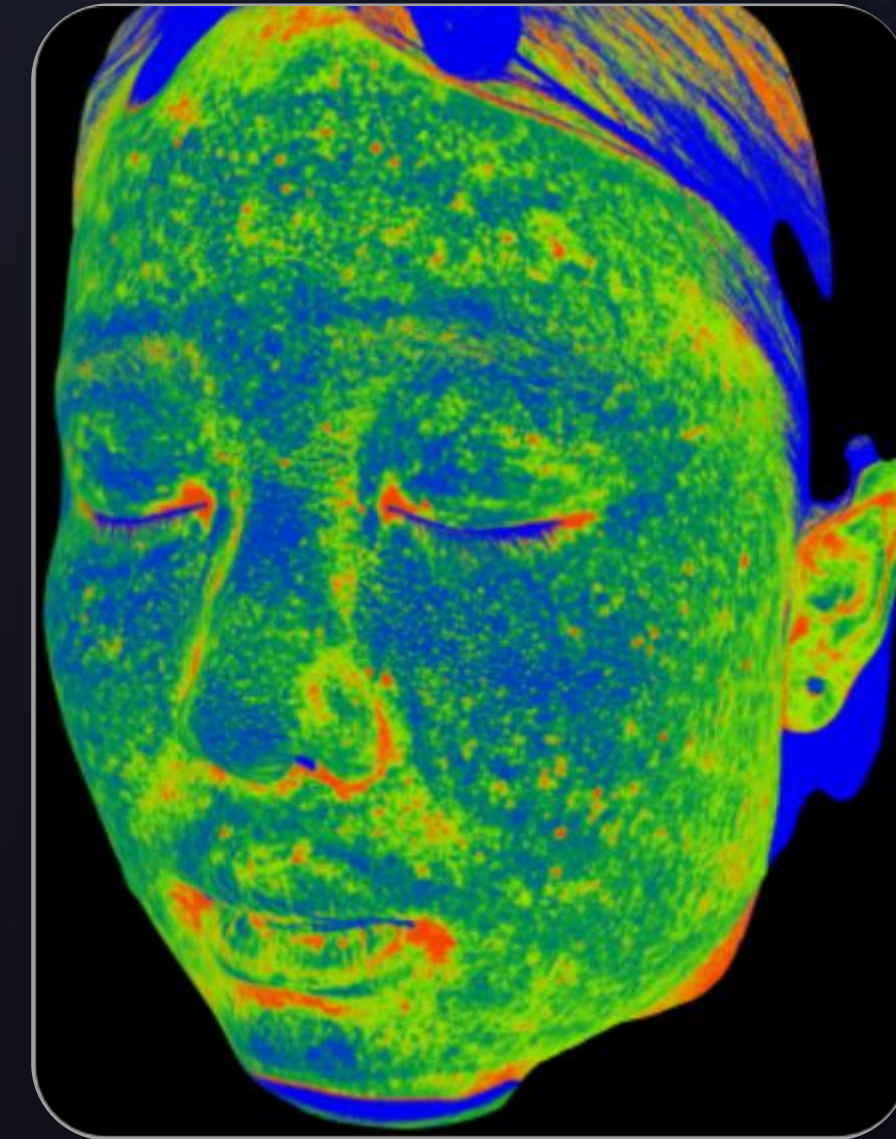
Brown Area Pigment Spot Image



Natural Light Image



Brown Area Image



Red Heatmap Image

Image Example:

Facial light and dark brown spot area is collected from Cross Polarized Light image by image processing technology, compared with healthy skin color, pigment spots can be shown obviously on face image.

UV Light Image



Natural Light Image



UV (Ultraviolet) Light Image



UV (Ultraviolet) Light
Pigment Spot Image

Image Example:

Oil and grease, bacteria, deep-layer pigment spot, Pigment Dark Circles under the Eyes can be observed by UV light's fluorescent light response on different materials.

Symptom Analysis

8 Dimensions

Sensitive Skin, Acne, Pigment Spots, Blackheads, Pores, Porphyria, Aging



Skin Aging Analysis

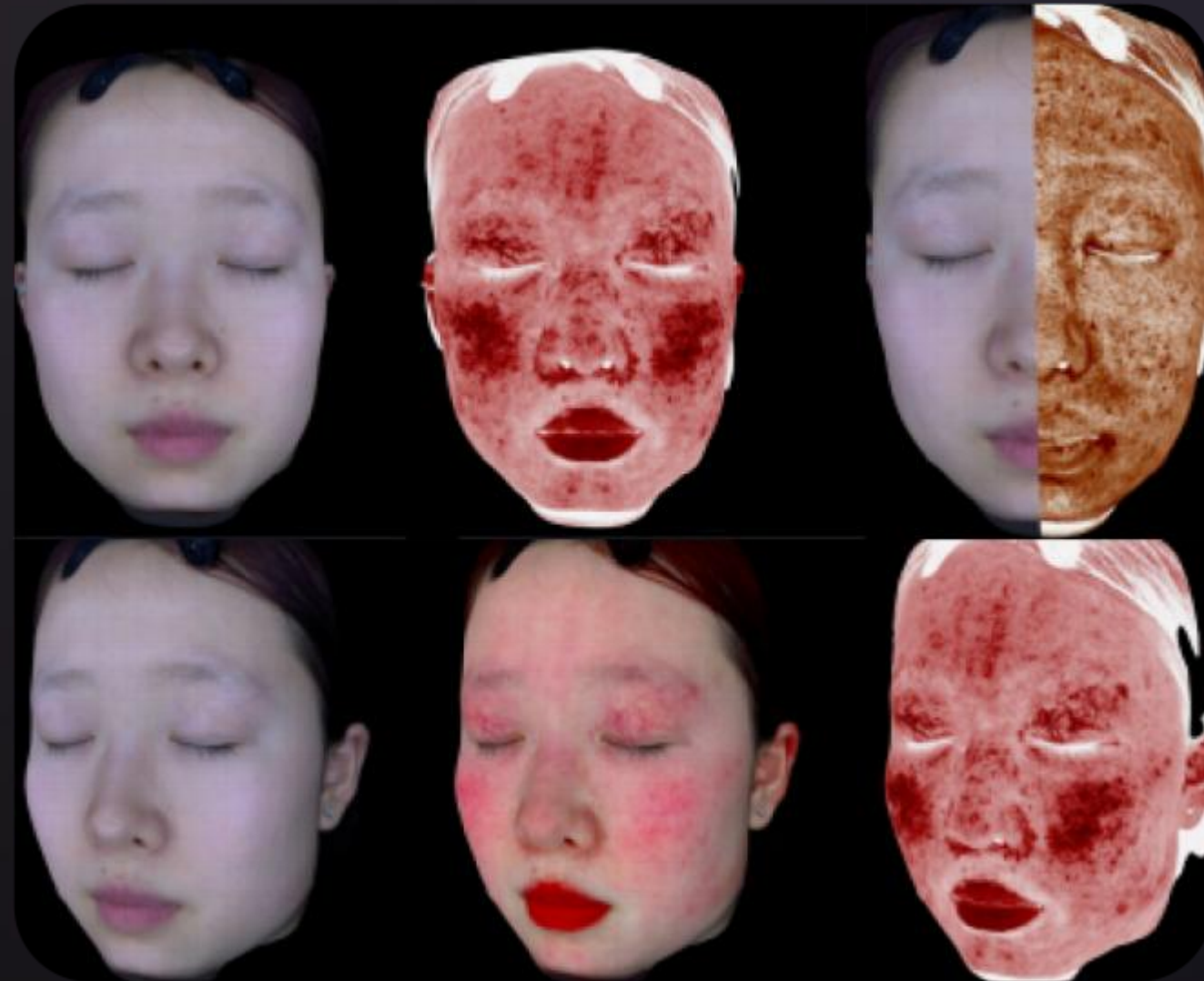
Multiple Dimensions

Observe wrinkles on forehead, between eyebrows, surrounding eyes, nasolabial folds, tear trough, surrounding mouth, superior palpebral sulcus, cheek wrinkles, temporal depression, cheek depression, slack cheek, slack chin, etc.



Software Function

Multi Types of Comparison



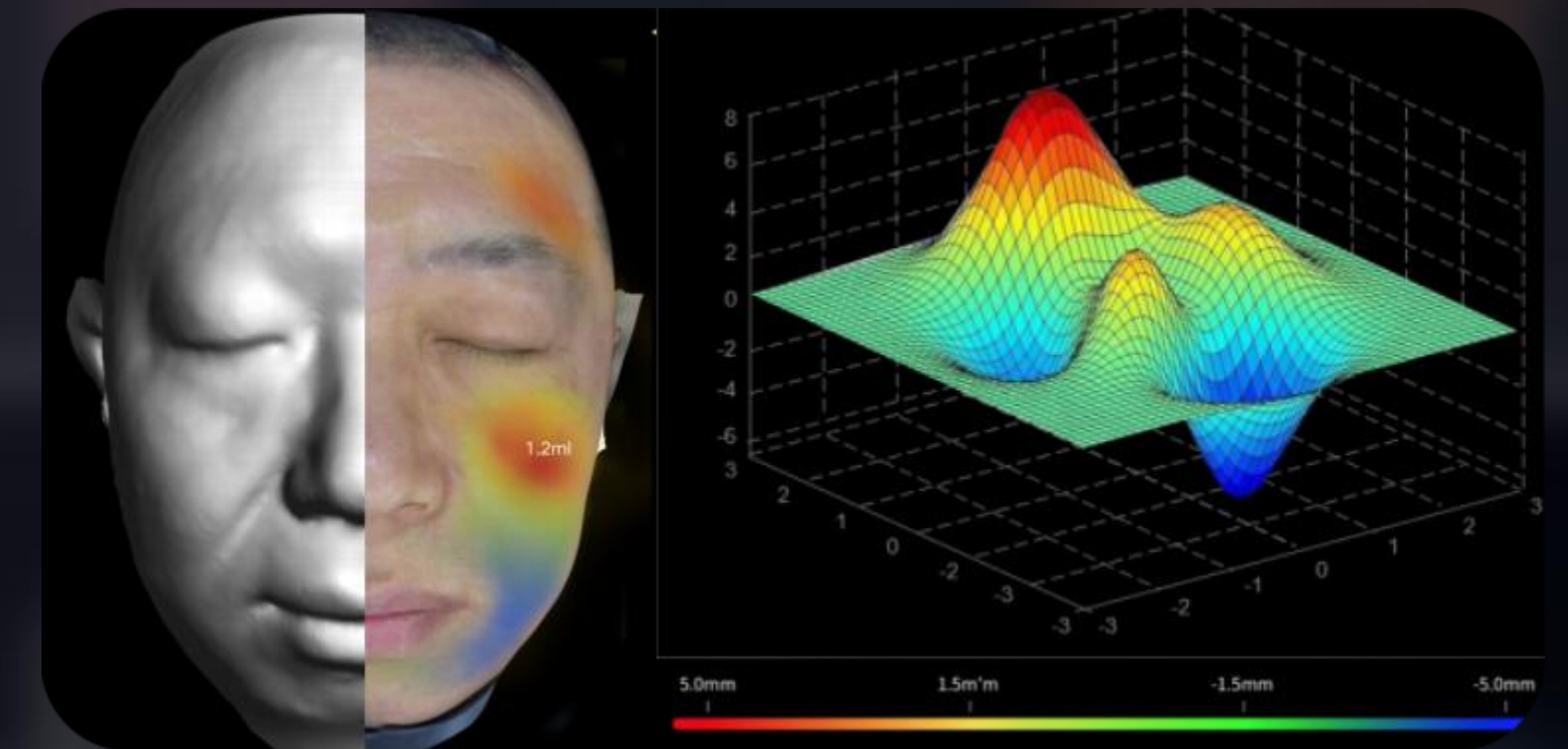
Multi Types of Comparison Mode
Precise and Visual Display of Skin
Condition Before and After Skin Care

3D Comparison

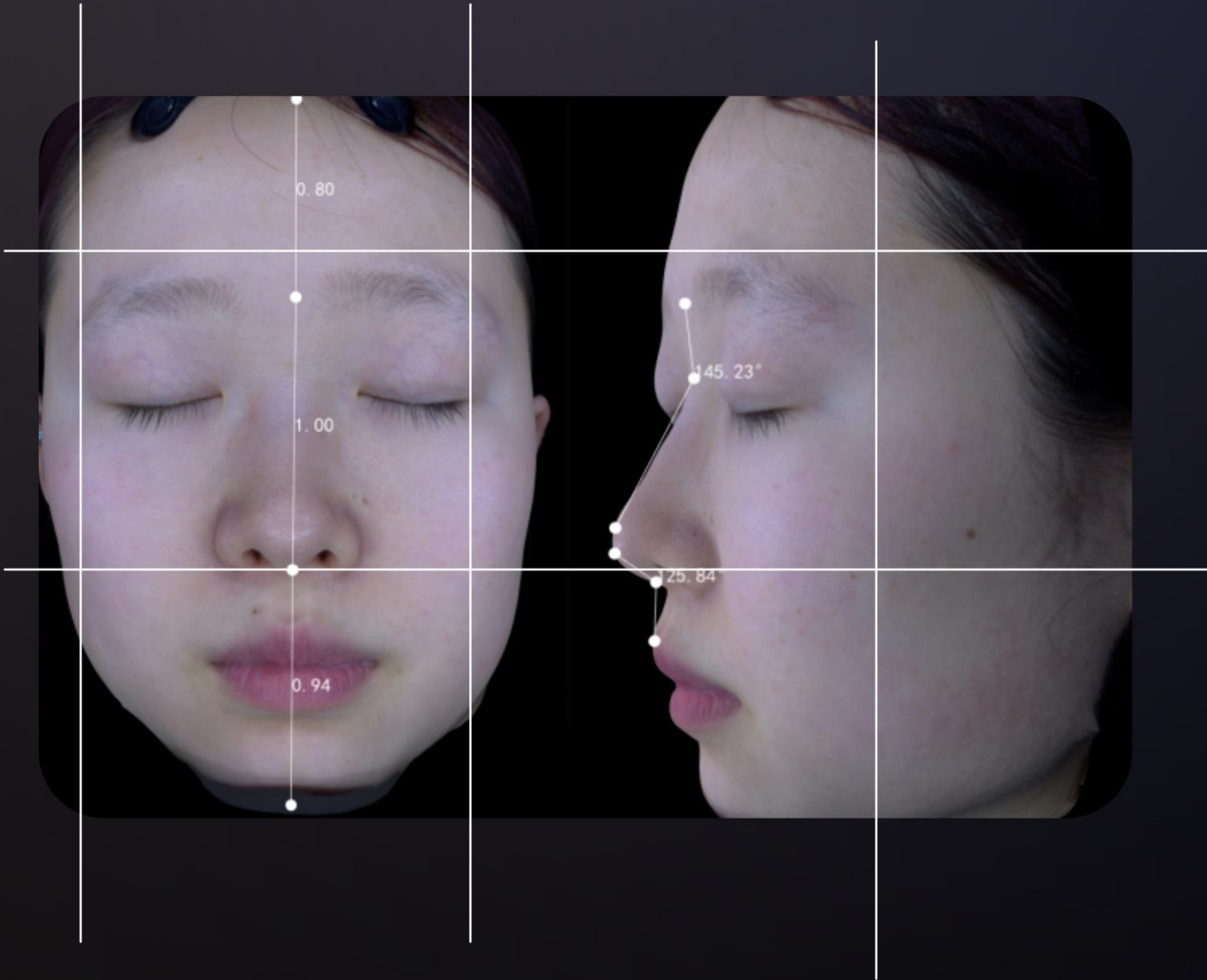


3D Display of Skin Flatness for Providing
More Suitable Skin Care Treatments

Volume Measurement

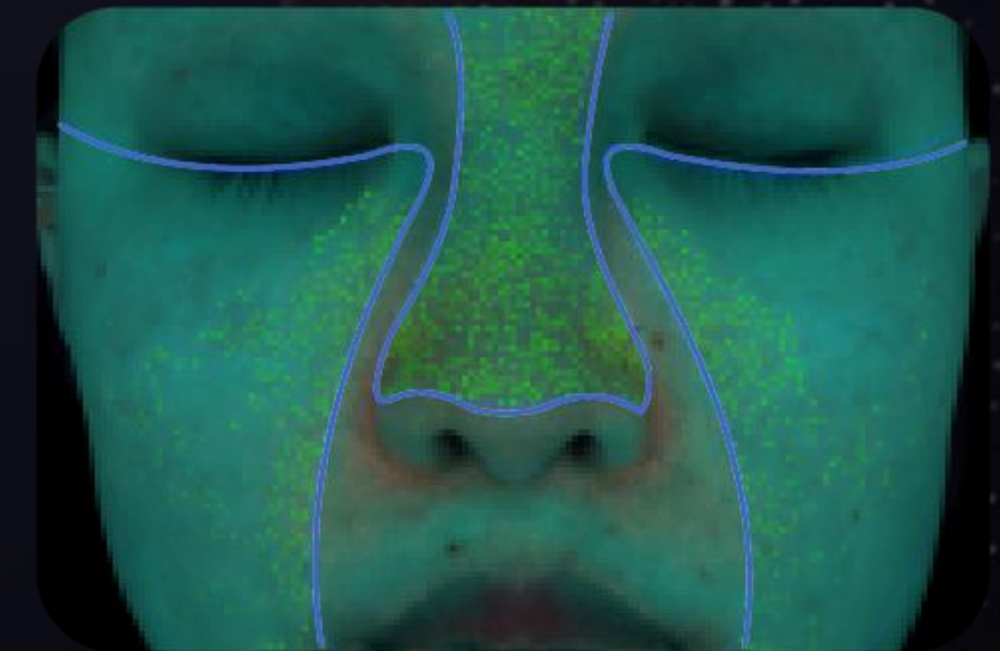


Facial contour defects can be displayed clearly by
high-precision 3D face scan.
Multi photographing on millimeter-level to calculate
face volume change value.



Aesthetics Design

Precise Aesthetic Design Suggestions can be provided by scientific facial scale planning.



Symptom Marking

Obvious lesion symptoms can be quickly marked, and the Report can be output at the same time, which greatly promotes the report output rate.

System Configuration

Model Face3D 20	CPU Inte i7	Built-In Memory 16G	Operating Monitor Screen (With HDMI Interface)
Disk Space 512G	3D Camera 2 Groups (Binocular Grating Structured Light)	3D Modeling Precision 0.1mm	Model Facets Number 150000-400000
Whole Face Pixel 21,000,000	Photographing Light Source Standard LED Light Source, Cross Polarized Light, Parallel Polarized Light, UV Ultraviolet		
Output Interface USB、HDMI	Power Supply DC19V/6.3A	Max Power 120W	Working Temperature 5℃-25℃
Internet Requirement WiFi			