

4-in-1 Visual Scalp Care & Hair Growth Massage Comb

Professional Product Introduction





Market Opportunity

The Rising Global Demand for Scalp Health

Worried about hair volume at a young age
Hair Care
Has become a top priority!

Staying up late and work pressure cause
continuous hair loss
Hairline moves upward



Widespread Prevalence Across Generations

Scalp issues are no longer age-bound. Gen Z and millennials now face receding hairlines, excess oil, and sensitivity at unprecedented rates, driven by stress and environmental factors.



Profound Psychological & Social Impact

Visible hair loss directly impacts self-esteem, triggering anxiety and social withdrawal. It affects personal relationships and even professional confidence in an appearance-conscious world.



Consumer Confusion in a Saturated Market

A flood of generic, "quick-fix" products leaves consumers overwhelmed. They struggle to identify root causes (e.g., microbiome imbalance) and find science-backed, personalized solutions.

4-in-1 Visual Scalp Care & Hair Growth Massage Comb



Introducing the Future of Scalp Care

“One Comb, One Press, One Hair Care Solution.” A seamless blend of professional diagnosis, therapeutic treatment, and nutrient infusion in one elegant device.



HD Visual Inspection

8MP HD camera for real-time scalp analysis, revealing follicle health and issues like oiliness instantly.



Dual Light Therapy

Red light boosts circulation; blue light eliminates bacteria to reduce dandruff and inflammation.



Vibration Massage

8,000+ micro-vibrations per minute relax muscles, relieve tension, and boost nutrient absorption.



Ultrasonic Infusion

Ultrasonic technology atomizes serums into micro-particles for deep penetration into the scalp.

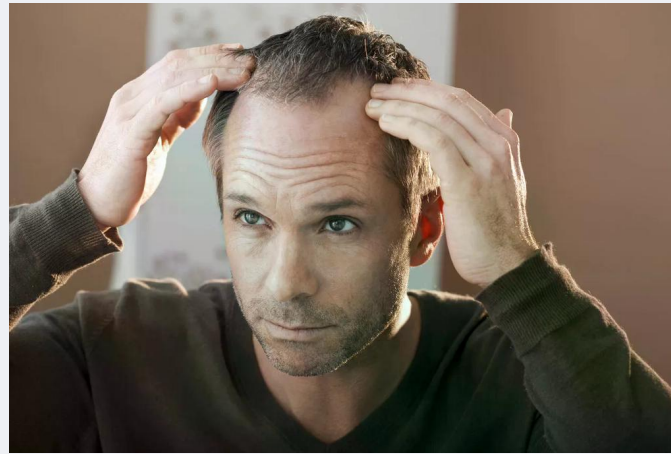
Target User Segments & Scenarios

The Smart Hair Growth Comb serves three primary market segments — stress-related early hair thinning in young professionals, androgenetic alopecia management in middle-aged adults, and post-partum telogen effluvium recovery — each with distinct purchasing motivations unified by the demand for professional-grade at-home hair restoration.



Young Professionals (25–35)

- 01 Early-stage stress-related hair thinning driven by high-pressure work, irregular sleep, and nutritional gaps
- 02 Tech-savvy users drawn to HD camera diagnostics and AI scalp health scoring



Middle-Aged Adults (35–55)

- 01 Progressive androgenetic alopecia requiring multi-modal therapy combining photobiomodulation with topical delivery
- 02 Existing minoxidil users gain 40% absorption improvement via vibration-enhanced spray applicator



Post-Partum Women

- 01 Telogen effluvium recovery through gentle red light therapy during the 3–6 month post-partum shedding phase
- 02 Non-invasive, drug-free approach preferred during breastfeeding, with HD monitoring of recovery

Four Core Functional Systems

The Smart Hair Growth Comb integrates four synergistic therapeutic systems — dual-wavelength phototherapy, precision vibration massage, nano-mist topical delivery, and HD diagnostic imaging — each addressing a distinct dimension of scalp health and hair restoration to deliver comprehensive, clinical-grade therapy at home.

Phototherapy & Massage

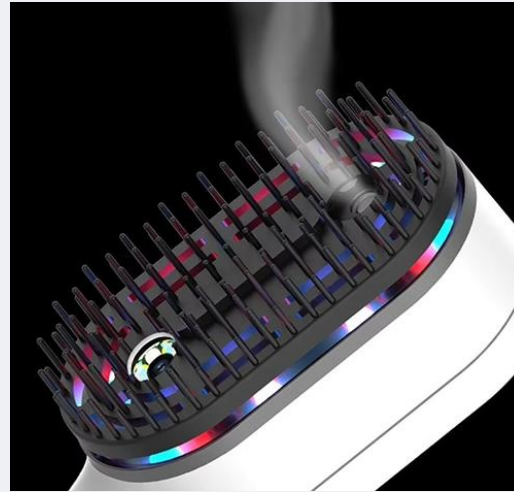


Red light (650nm) stimulates follicular cell metabolism and ATP production; Blue light (415nm) provides antimicrobial scalp purification.

8,000 RPM vibration motor delivers targeted mechanical stimulation to enhance microcirculation around follicles.

650 & 415 nm

ultrasonic Atomization Applicator



Nano-mist spray atomizes growth serums into micro-droplets for uniform, touch-free application directly to the scalp.

Precision nozzle ensures targeted delivery to affected areas, maximizing absorption while minimizing product waste.

Nano Mist

HD Scalp Diagnostics



1000× magnification HD camera captures real-time scalp and follicle imagery for density and condition monitoring.

Wi-Fi syncs data to companion app for longitudinal tracking, professional consultation, and AI-powered analysis.

20 ×

Product Overview

Nursing Red and blue light

Red light promotes blood circulation in the head
Blue light balances oil and water, combing out a healthy scalp

Shock Massage

Two adjustable gears to awaken hair follicles
Soothes the scalp and accelerates scalp blood circulation

One liquid one chamber spray, medicine chamber capacity 5ml
Delicate spray evenly applies medicine/essential oil

Spray Liquid guide chamber

Visible clear observation of scalp hair follicles
White light observation of scalp, UV light direct observation of hair follicle issues

Visible UV white light

Precision

From diagnosis to treatment, every step is guided by real-time visual feedback, ensuring pinpoint accuracy for your unique scalp and hair needs.

Efficiency

Seamlessly integrates multiple therapeutic steps into one routine, eliminating tedious processes and saving you valuable time in your daily self-care regimen.

Effectiveness

Backed by scientific research, it deeply stimulates dormant hair follicles, balances sebum production, and visibly improves scalp health from the root.

Convenience

Professional-grade care is no longer confined to salons. Enjoy high-quality treatments anytime, anywhere, whether at home or while traveling.

Key Features & Benefits

HD Pixel Endoscope - See Your Scalp Like Never Before

Problem: Treating scalp issues blindly is inefficient. Most problems like micro-inflammation or blocked follicles are invisible to the naked eye.

Solution: A medical-grade HD endoscope connects to your smartphone, delivering 20x magnification for crystal-clear, real-time scalp analysis.



White Light Mode: Baseline Assessment

Natural illumination for evaluating hair density, follicle health, and scalp texture in true-to-life detail.



UV/Purple Light Mode: Deep Diagnosis

Uncovers hidden concerns like excess oil (sebum), fungal buildup, and micro-damage invisible under standard light.



Smartphone Sync & Recording

Capture photos/videos directly to your phone to track improvement over time and share data with hair care professionals.

Smooth and clear pixel images
Can take photos/record videos, focusing to truly restore every detail



Visual and intuitive hair follicles

Camera light comparison

White light

Clearly view scalp hair follicles



Purple light

Purple indicates dandruff and dust, fluorescent blue light indicates hair follicle problems

Fluorescent blue light



“From unseen to undeniable—diagnose hair and scalp issues at their source.”

Key Features & Benefits



High-Frequency Vibration Massage

Problem: Hair care products often sit on the surface, leading to poor absorption and reduced effectiveness.

Solution: High-frequency vibrations work in synergy with light therapy to create micro-pressures, driving nutrients deep into the scalp.



Boosts Circulation

Stimulates blood flow to the scalp, creating an optimal environment for delivering vital nutrients to hair follicles.



Spa-Like Relaxation

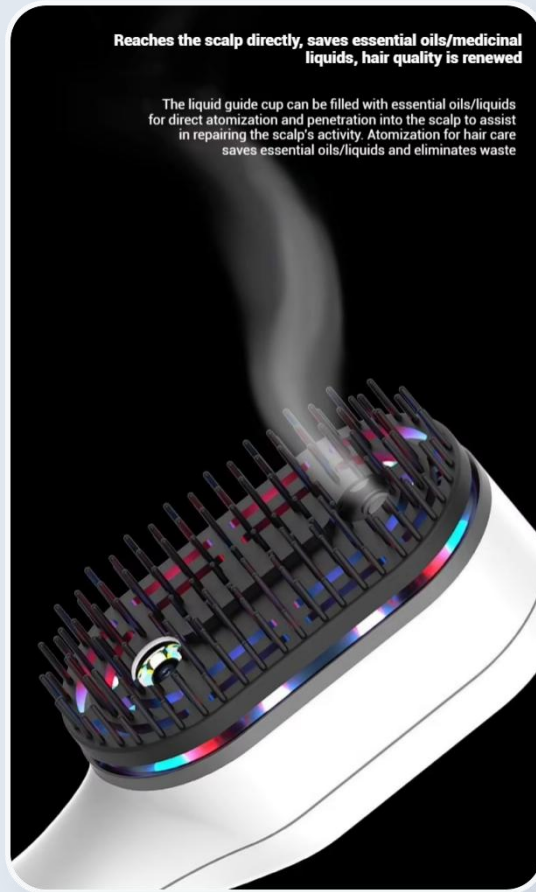
Gentle vibrations ease tension in scalp muscles, providing a soothing, stress-relieving experience.



Maximizes Absorption

Significantly improves the penetration rate of serums and treatments, ensuring no product is wasted.

Key Features & Benefits



Mist Infusion & Spray System

The Problem: Traditional manual application is often messy, uneven, and wasteful, with most serum coating hair shafts instead of the scalp.

The Solution: An integrated ultrasonic atomizer turns liquid into a micro-fine mist that penetrates directly to the roots.

Precision Targeting

Bypasses hair strands to deliver nutrients directly to the scalp, ensuring maximum absorption at the source.

Zero Waste

Micro-mist atomization eliminates dripping and over-application, saving your premium hair care serums.

Deeper Absorption

Combined with gentle vibration, the mist penetrates deeper into the scalp layers for enhanced effectiveness.

Technical Specifications

Product parameters



Product Name Visual massage comb for the head	Current magnitude 5V/1A
Working power 3W	Net weight of the product 220 soil 8.5g
Interface type Pype-C	Product size 225*60*58mm
Battery capacity 2000MAH	Working voltage 3.7 V

Product Name
Visual Massage Comb for the Head

Working Power
3W (Low Power Consumption)

Interface Type
Type-C Fast Charging Port

Battery Capacity
2000mAh (≈180 mins Runtime)

Dimensions & Weight
225×60×58mm / 220g ± 8.5g

Liquid Cup Capacity
Over 5ml (for Scalp Serums/Oils)

Visual Inspection
HD Pixel Endoscope Camera

Light Therapy
Red, Blue, White, UV/Purple Light

Vibration Modes
2 Adjustable Intensity Gears

Waterproof Rating
IPX7 Waterproof (Detachable Head)

Application Scenarios



Daily Scalp Maintenance

Ideal for busy professionals seeking effortless daily care. Monitor scalp health in real-time and maintain a fresh, revitalized look with consistent use.

Targeted Treatment

Precision care for specific concerns including oily/dry scalp imbalances, persistent dandruff, or postpartum hair loss, delivering customized solutions.

Relaxation & Relief

Unwind after a stressful day with a soothing vibration massage. Enjoy a spa-like experience at home that eases tension and promotes mental calm.

Professional Salon Use

Elevate salon services with Visual scalp analysis and personalized treatment plans, enhancing client trust and satisfaction.

How to Use



01. Charge

Connect the device with the included Type-C cable until the battery indicator shows a full charge.

02. Prepare

Ensure your hair is completely dry and gently combed to remove any knots or tangles.

03. Inspect (Optional)

Pair with the mobile app and use the built-in camera to analyze your scalp condition.

04. Apply Serum

Fill the liquid chamber with your preferred hair growth or nourishing serum.

05. Select Mode

Toggle between Red/Blue light therapy modes and select your desired vibration intensity level (M1/M2).

06. Start Treatment

Glide the comb slowly over your scalp in gentle circular motions for 3-5 minutes per section for optimal absorption.

07. Clean & Maintain

After use, detach the comb head and rinse under running water. Wipe dry thoroughly before storing in a cool place.

Why Choose Our Visual Scalp Care Comb?



In a market saturated with single-function gadgets, our 4-in-1 Smart Scalp Care Comb redefines hair care as a holistic, integrated ritual—blending cutting-edge technology, scientific efficacy, and mindful relaxation into one elegant device.



Real-Time Visibility

Gain instant visual insights into your scalp's condition, turning guesswork into precise, informed care.



Science-Backed Efficacy

Clinically validated to nourish follicles, stimulate circulation, and promote stronger, healthier hair growth.



Deep Absorption

Enhances the penetration of your favorite serums, ensuring nutrients reach deep into the scalp for optimal results.



Spa-Like Relaxation

Transform daily hair care into a calming ritual with gentle, stress-relieving massage that soothes both scalp and mind.

The Ultimate Investment: It's more than a tool—it's your all-in-one partner for a revitalized scalp and the vibrant, healthy hair you've always wanted.

Other scalp care & hair regrowth products

