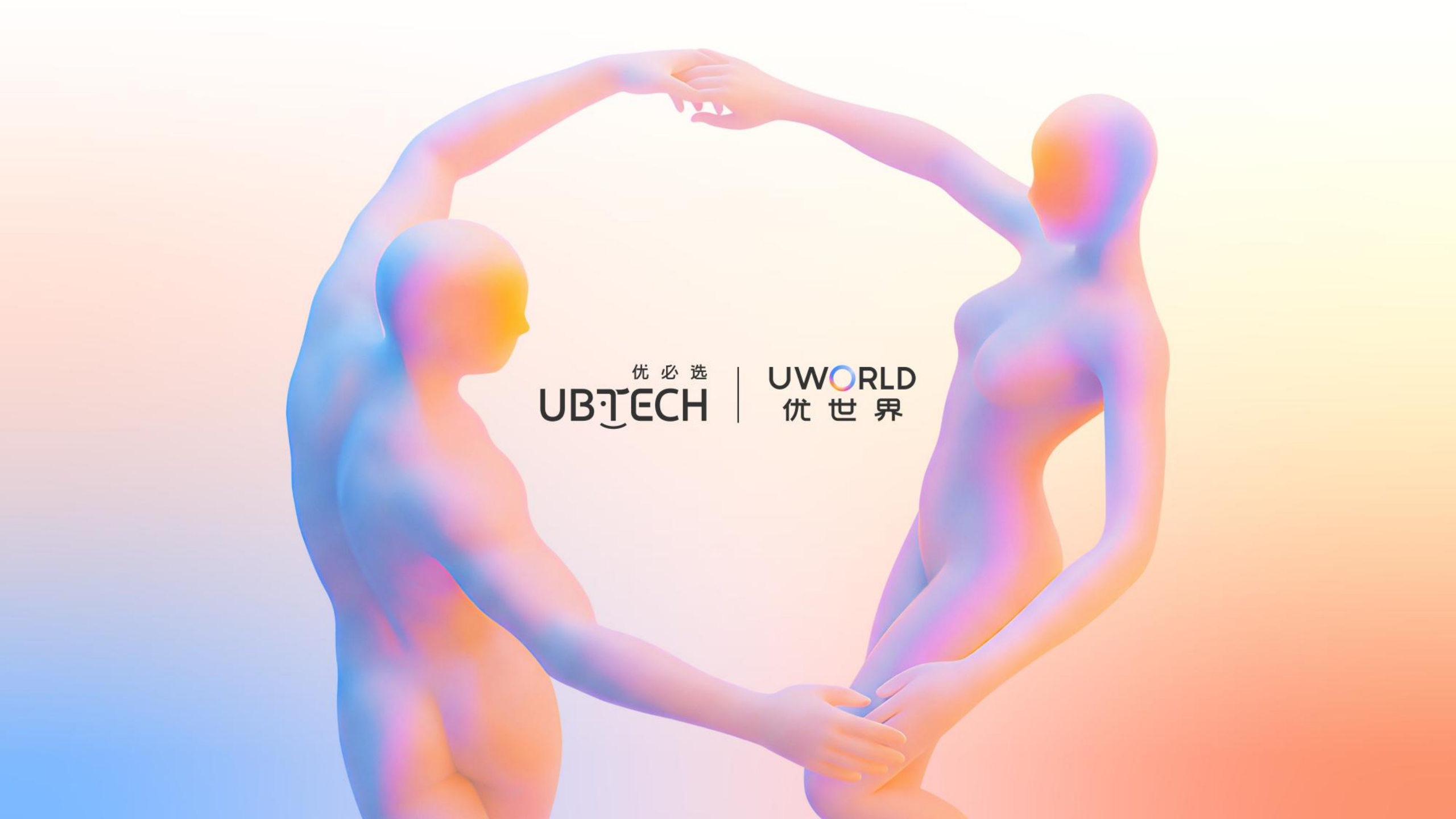

优必选
UBTECH
UWORLD
优世界

UWORLD
优 世 界

UWORLD is a consumer humanoid robotics brand under UBTECH, dedicated to creating ultra-bionic humanoid robots that build emotional connections with humans. With lifelike skin texture, an emotional large model, and long-term companionship capabilities, UWORLD explores new possibilities in emotional companionship.



Mission

Bridging the digital and physical worlds, building an ecosystem for embodied intelligence, and creating a new human-robot symbiotic lifestyle.

Vision

Making humanoid robots the ideal companions for human life.

Values

Human-Centered. Tech for Good. Safe & Trusted. Committed to creating value for humanity. Adhering to ethical boundaries, ensuring innovation serves and benefits society.

UWORLD Full-Stack Technologies



Ultra-Realistic
Bionic Skin



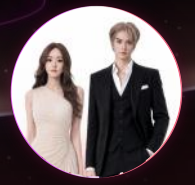
Embodied AI
Hardware
Infrastructure



Robotics
Operating
System



Emotional
Large Model



**Mass Production
of Complete
Humanoid Units**

UWORLD 优世界

U1 PRO

Pioneering Mass-Produced

Full-Size Ultra-Bionic Humanoids



Core Capabilities



Scalable Mass Production Capability

Full-size ultra-bionic humanoid robots



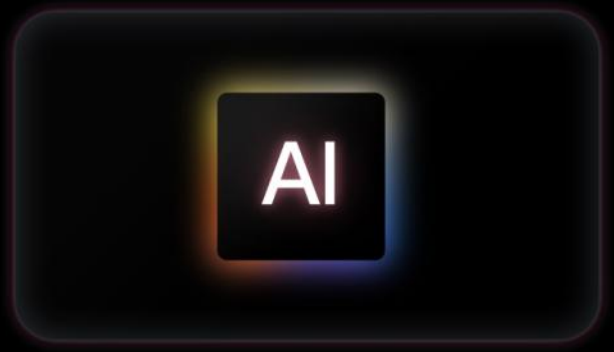
Full-Size Ultra-Bionic Mimicry

Sculpture-level body replication



Ultra-Realistic Facial Expressions

19 active DoF enabling lifelike expressions



Ultra-Powerful AI Processor

Up to 200 TOPS



Resonance-LM Emotional Large Model

The industry's first large-scale emotional large model for “long-term companionship”



Data Privacy & Security

Comprehensive software compliance and hardware safety

Full-Size Ultra-Bionic Mimicry

Sculptural Body Replication

Whole-Body
88 DoF

Active
24 DoF

Passive
64 DoF

Industry-first
dual-pivot + four-bar linkage
bionic cervical spine

Ultra-High Flexibility
5 Active DoF

High-Precision Linear Servo
0.06 mm

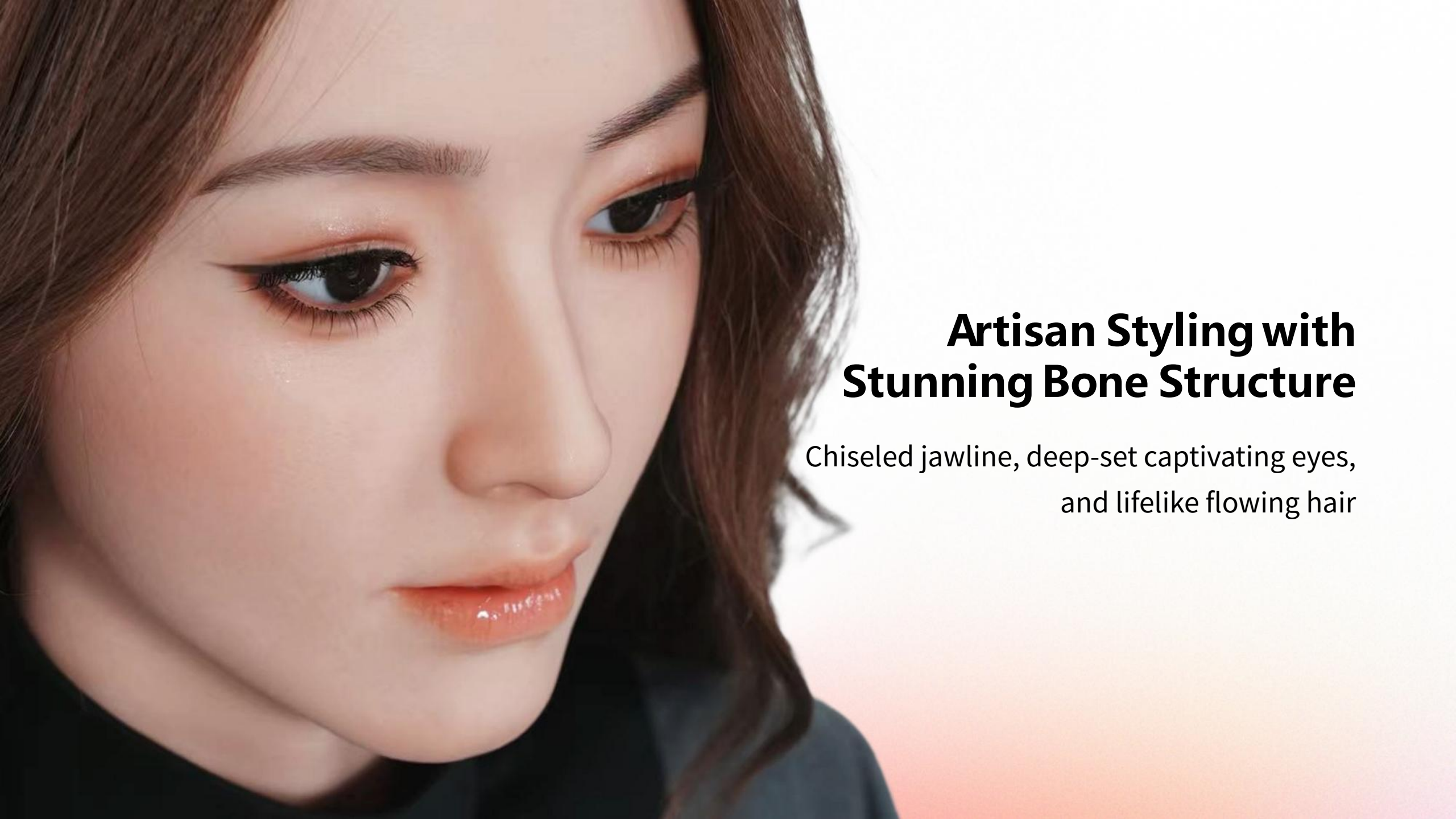


Golden Height Proportions

Male height 183 cm



Female height 168 cm



Artisan Styling with Stunning Bone Structure

Chiseled jawline, deep-set captivating eyes, and lifelike flowing hair

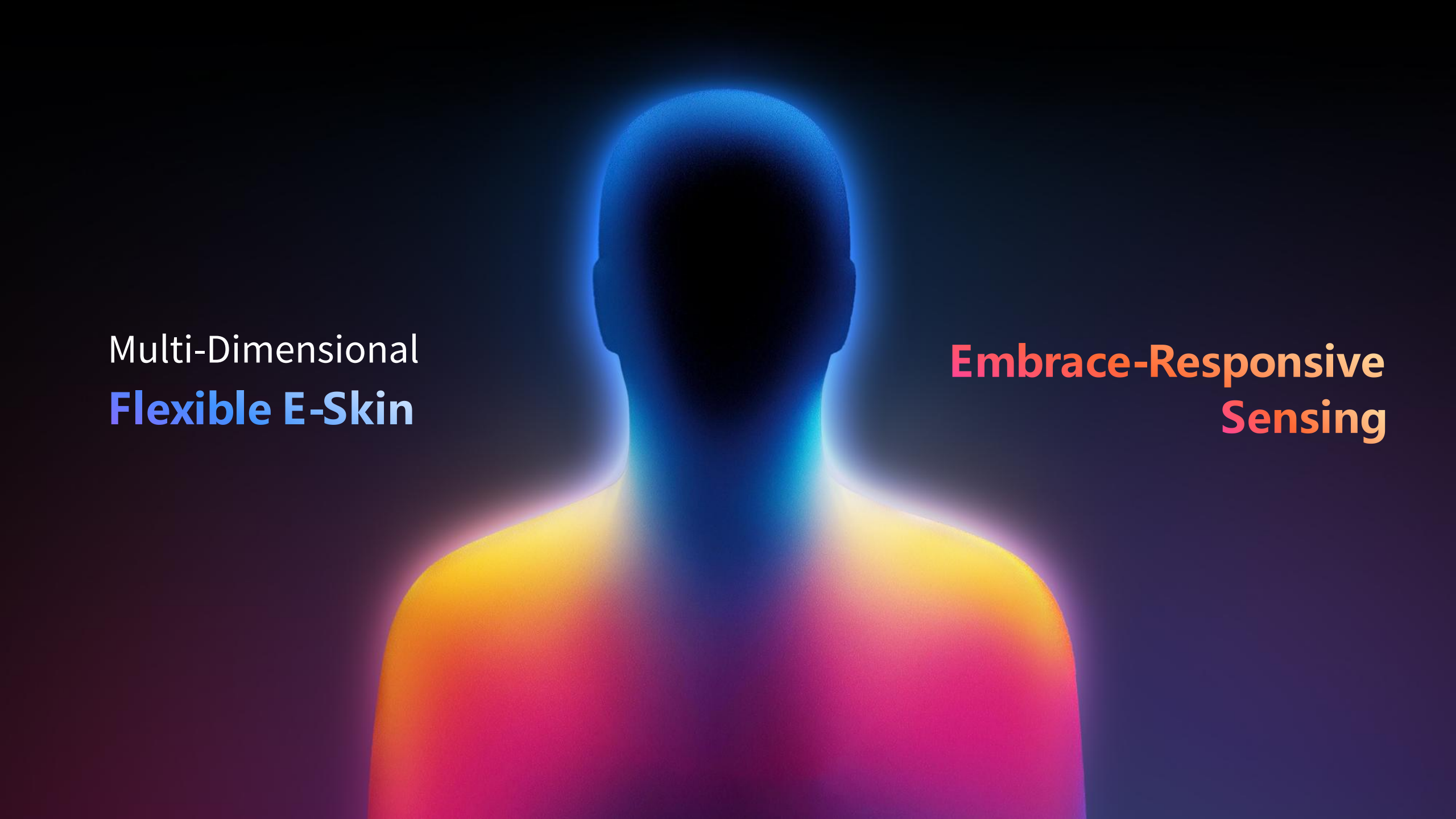
Ultra-Bionic Soft-Touch Skin

Replicates the elasticity and
supple feel of human skin

Atelier-Grade Life Casting

Every pore, capillary, and fingerprint in
microscopic detail




Multi-Dimensional
Flexible E-Skin
Embrace-Responsive
Sensing

33-Axis Facial Tendon Network

19 Active DoF driving lifelike micro-expressions

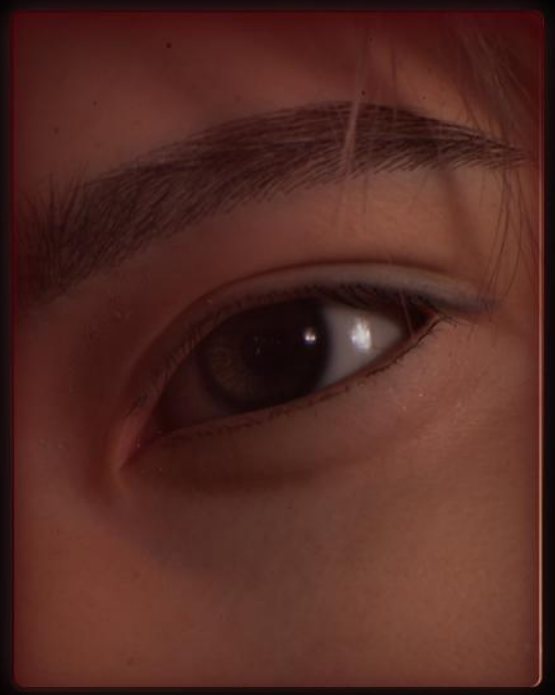


Natural micro-expressions

30+

Emotional expression accuracy

90%



Millisecond-level real-time eye tracking with neck coordination



High-sensitivity sound source localization (±10°) via a 6-microphone array with intelligent noise cancellation



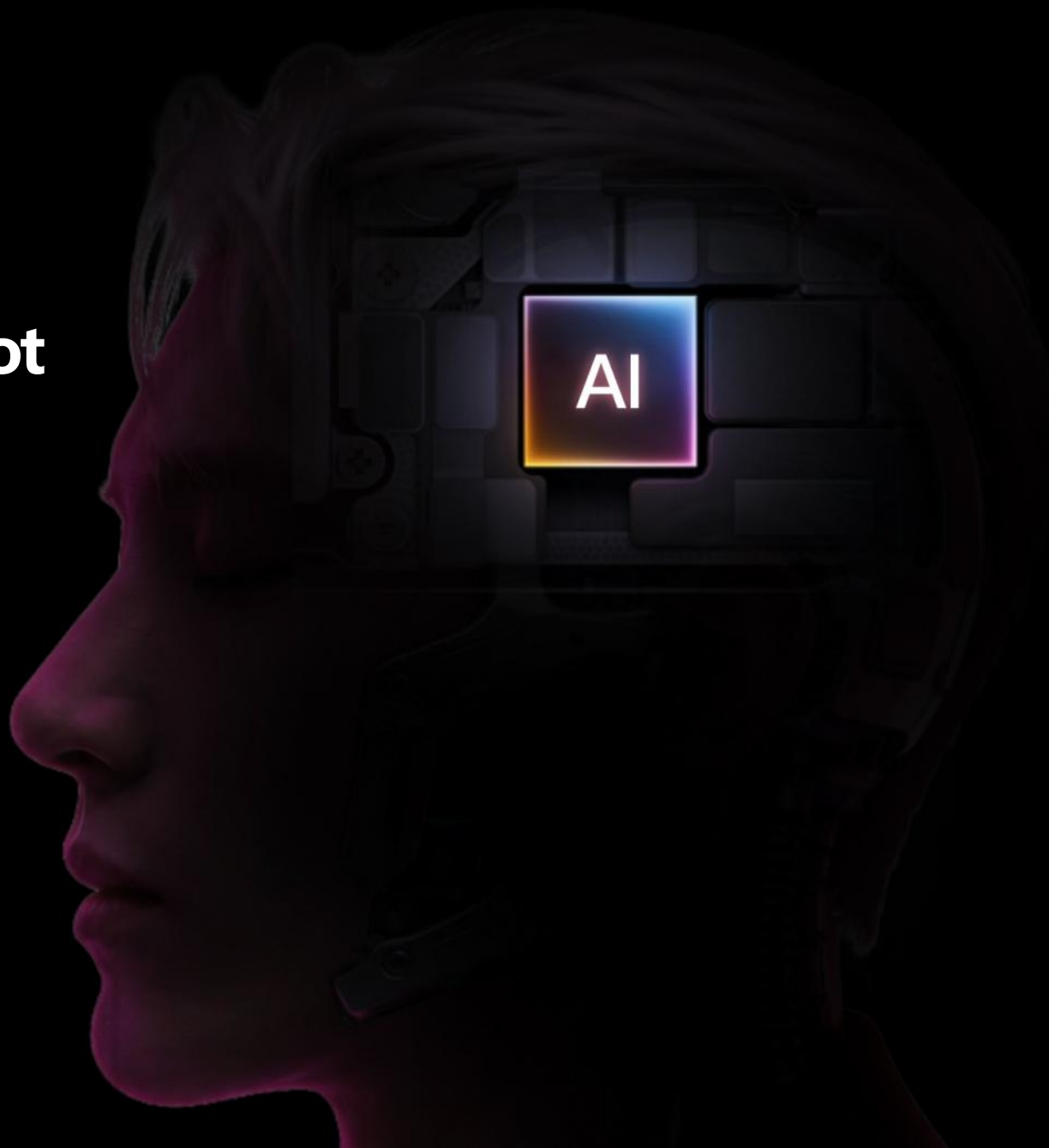
Lifelike vocal timbre

Ultra Bionic Humanoid Robot

Ultra-Powerful AI Processor

Up to

200TOPS



Bionic Fast-Slow Brain

UWORLD

Full-Stack Embodied Life Architecture

Bio-Express Bionic Expression System

Body

Agent Memory System

Soul



Resonance-LM Emotional Large Model

Proactive Care Engine

Equipped with the industry's first emotional large model designed specifically for “long-term companionship”

Resonance-LM

Emotional Large Model



Understands you without words

seeing

hearing

reading

Bionic Fast-Slow Brain

Human-Like "Dual-System Chain-of-Thought"

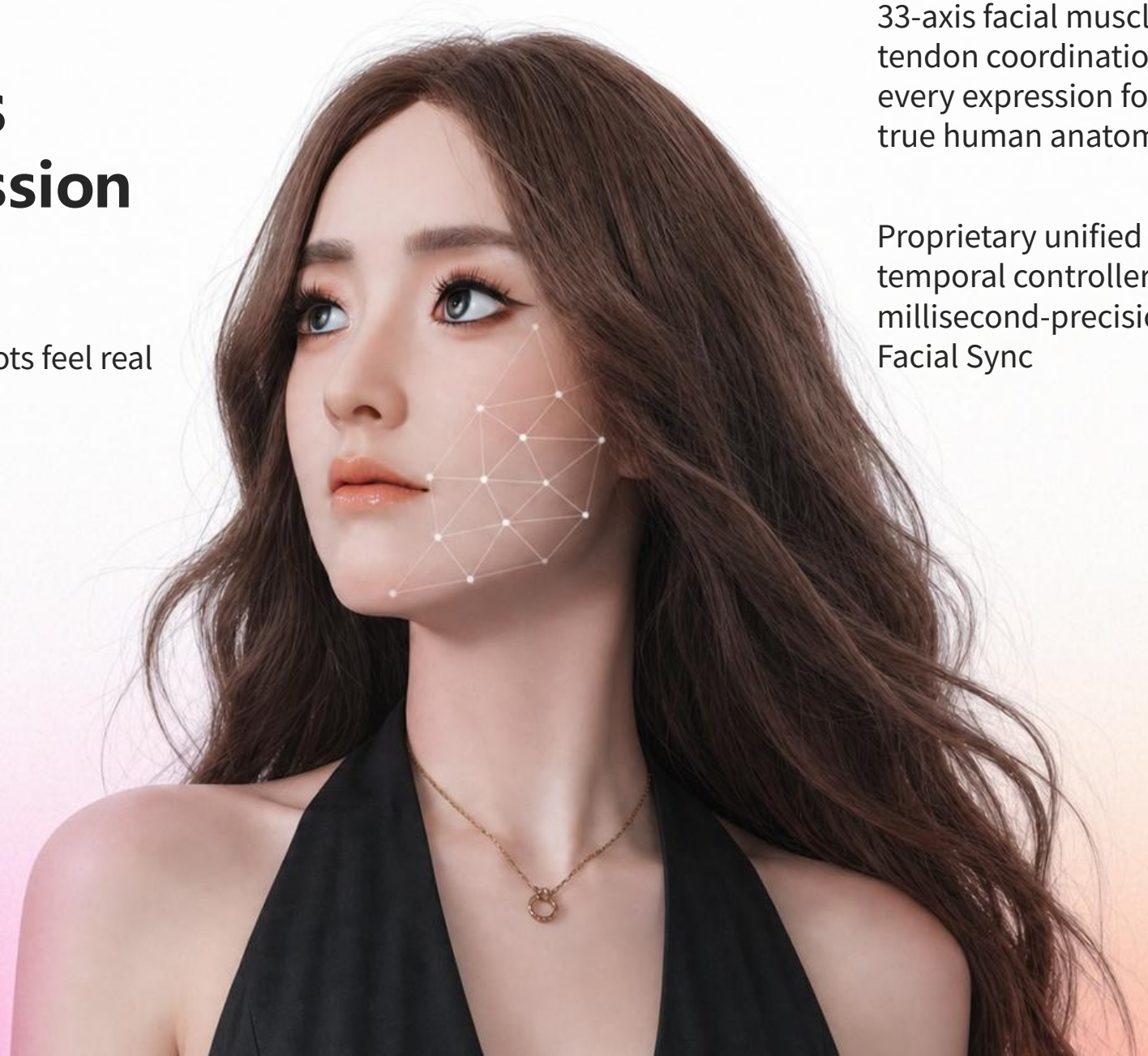
Slow Brain (Cloud)
Responsible for deep empathetic reasoning, long-term memory retrieval, and personality refinement



Fast Brain (Edge)
Responsible for immediate actions and basic facial reflexes

Bio-Express
Bionic Expression System

The last mile to making robots feel real



33-axis facial muscle and tendon coordination — every expression follows true human anatomy

Voice-to-lip latency <20 ms

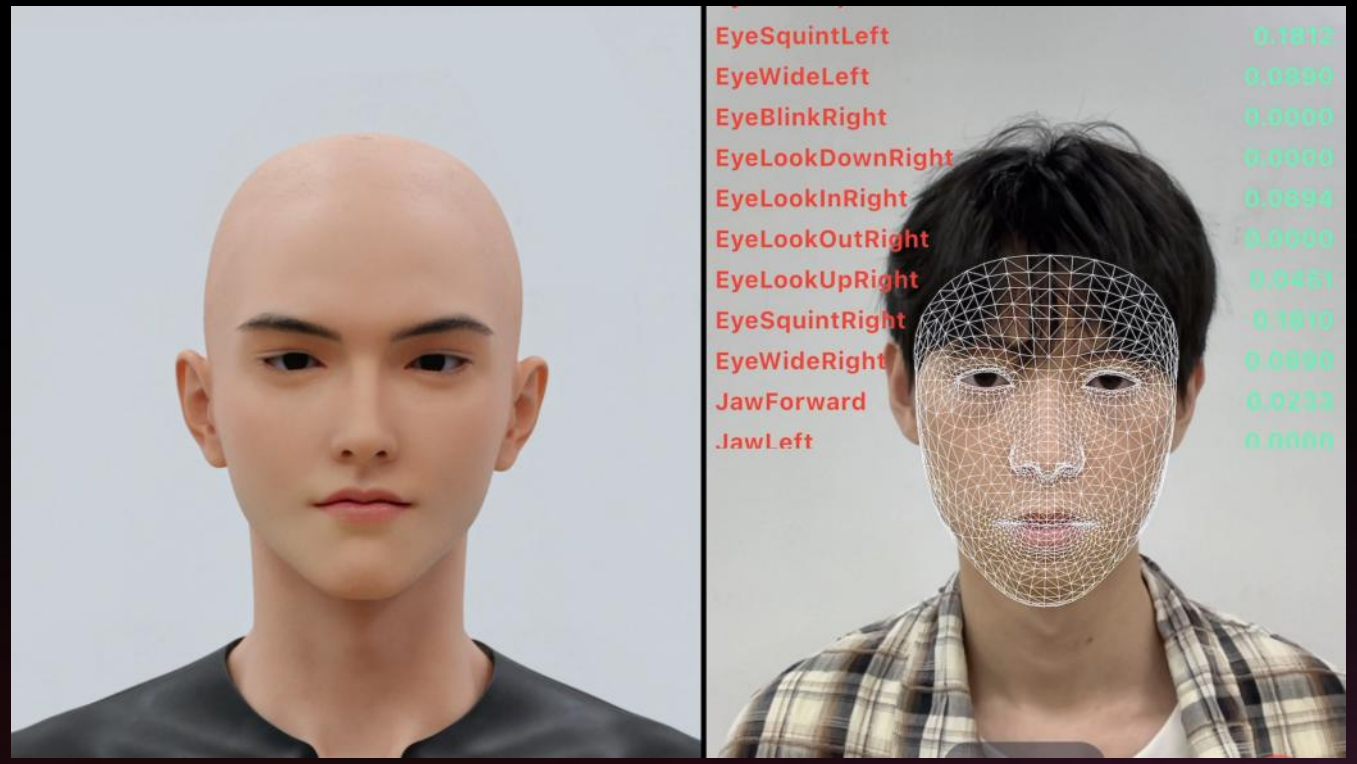
Proprietary unified temporal controller: millisecond-precision Facial Sync

Facial muscle coordination error <10 ms

中国科学院自动化研究所 INSTITUTE OF AUTOMATION CHINESE ACADEMY OF SCIENCES × UWORLD 优世界

Latent-Space Bionic Head Digital Twin

1:1 replication of appearance, structure and kinematics; multi-view modeling for animatable digital heads; a virtual platform to preview expressions, author motions, and end-to-end algorithm validation.



Agent Memory System

The “Digital Life System” that gives robots long-term memory and a developing personality





Proactive Care Engine

From a “Q&A tool” to a “mood-reading companion”

UWORLD App

Always-on Companionship

Through avatar interactions, exclusive memories and humanoid robot management, the App extends companionship across virtual and physical domains.



Data Privacy & Security

Software Compliance

From a “data black box” to user-controlled transparency

Upholding the “no unnecessary cloud upload” principle, we build end-to-end notice, consent, and user-rights enforcement frameworks to make privacy and security transparent and visible.

Hardware Safety

Designed to the highest international safety standards:

Designed in accordance with CE-MD, ISO 13849, and ISO 13482;

Skin materials: RoHS and REACH compliant.



UWORLD U1 Series

U1 Lite



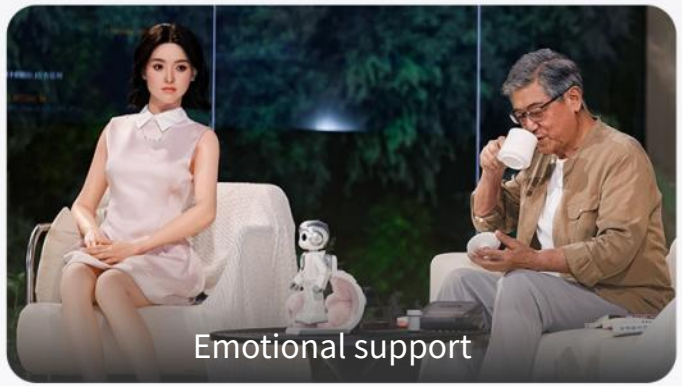
U1 Pro

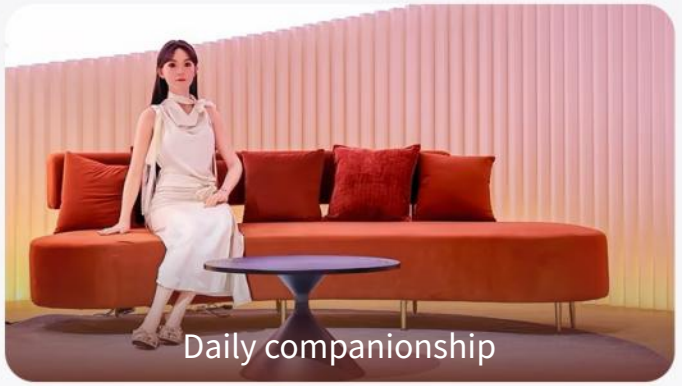


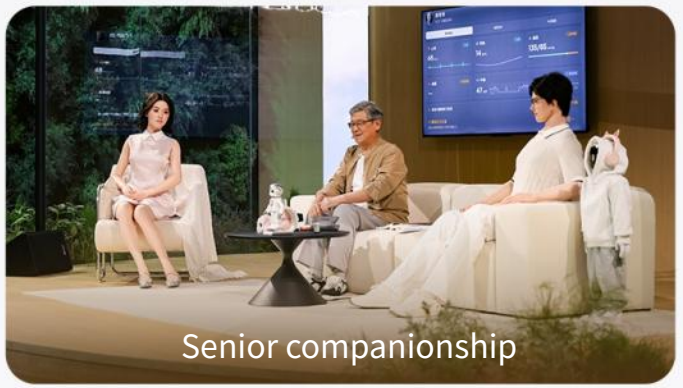
U1 Ultra



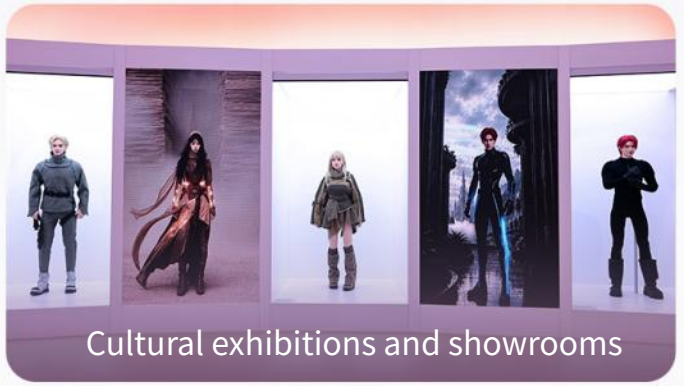
Real-life Applications













“Multi-angle Mirror” Personalized Character Customization

Fully customizable: body, face, and personality



Premium Customization

Heart to hand. Memory to form. Crafted with soul.

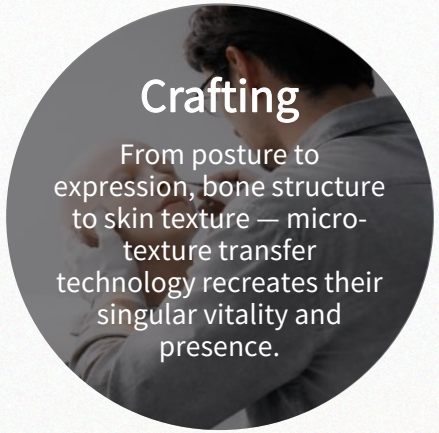


Listening

Personal advisor consultation to understand your vision and story.

Capturing

Matrix-based head scanning and photogrammetry to record voice, expressions, and skin texture — preserving every nuance.

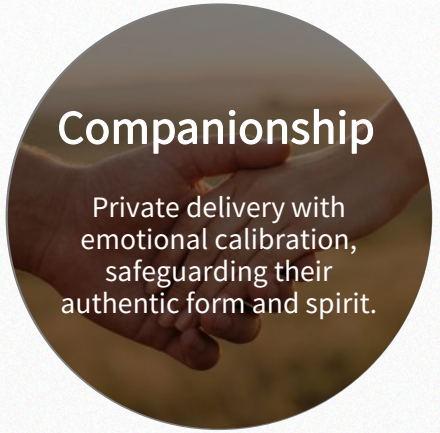


Crafting

From posture to expression, bone structure to skin texture — micro-texture transfer technology recreates their singular vitality and presence.

Bringing to Life

Powered by the emotional large model, they gain a unique personality, memories, and responses — a soul all their own, exclusive to you.



Companionship

Private delivery with emotional calibration, safeguarding their authentic form and spirit.

All custom projects require written authorization from the individual being recreated. We guarantee total confidentiality throughout the process, data anonymization, and the option for permanent data destruction at any time.

Co-Creation Ecosystem

Leveraging our bionic humanoid hardware, digital-twin apps and open capabilities, we connect industry partners, IP content, developers, and research institutions to bring human-robot symbiosis into the real world.

Commercial Solutions Ecosystem

For healthcare and wellness, reception, exhibitions, and brand activations, we offer bionic humanoid robots, tailored solutions, and integration support.

IP Content Ecosystem

Bringing virtual characters, personas, voices, and interactive experiences to life as tangible, enduring companions.



Developer Application Ecosystem

Open APIs for motion, expression, voice, vision, and scene choreography — empowering partners to co-create applications.

Technology Co-Creation Ecosystem

Partnering with academic and technical institutions to advance multimodal emotional understanding and shape industry standards.

Endless Love

爱是永恒