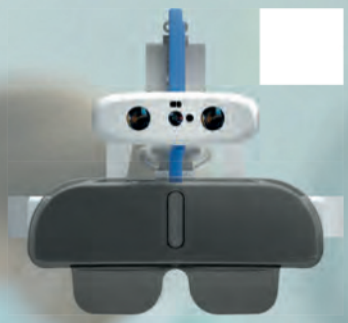
3D MetaSCOPE®

WORLD'S FIRST 3D DIGITAL LOUPES



3D MetaSCOPE enhances surgical precision and ergonomics with advanced 3D visualization. Featuring various **magnification and autofocus**, it provides a clear, stereoscopic view from **multiple angles**, improving accuracy, reducing strain, and **enabling real-time collaboration and recording**.

3D LIVE STREAMING REC snapshot

MediThinQ

Ronda MedTech

3D


Goodbye
Loupes
3D MetaSCOPE®

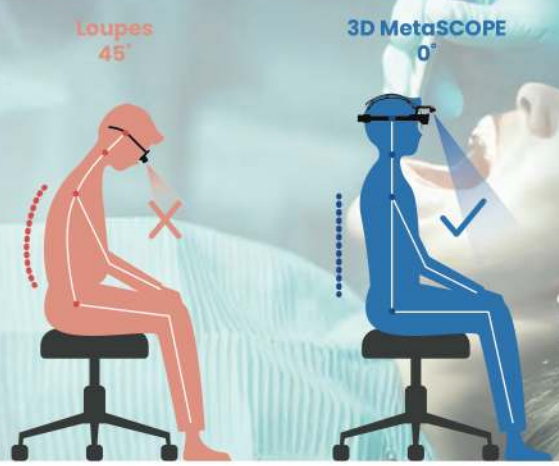
Enhanced surgical precision with 3D imaging



With 50 adjustable focus levels, 3D MetaSCOPE lets you set the perfect focus distance with precision. Easily adjust it before a procedure using the built-in controller or remote controller for seamless operation.



3D MetaSCOPE enhances ergonomics, enabling doctors to work comfortably and maintain a natural posture throughout procedures



Ergonomic Design

3D MetaSCOPE's ergonomic design maximizes comfort with its lightweight build and breathable frame, minimizing head and neck fatigue. Designed for extended use, it lets users stay focused with ease.

weight decomposition diagram



3D MetaSCOPE®

HEADLIGHT

Wireless or Wired Headlight
(Optional)

ANGLE



0° ~ 90°

AUTOFOCUS

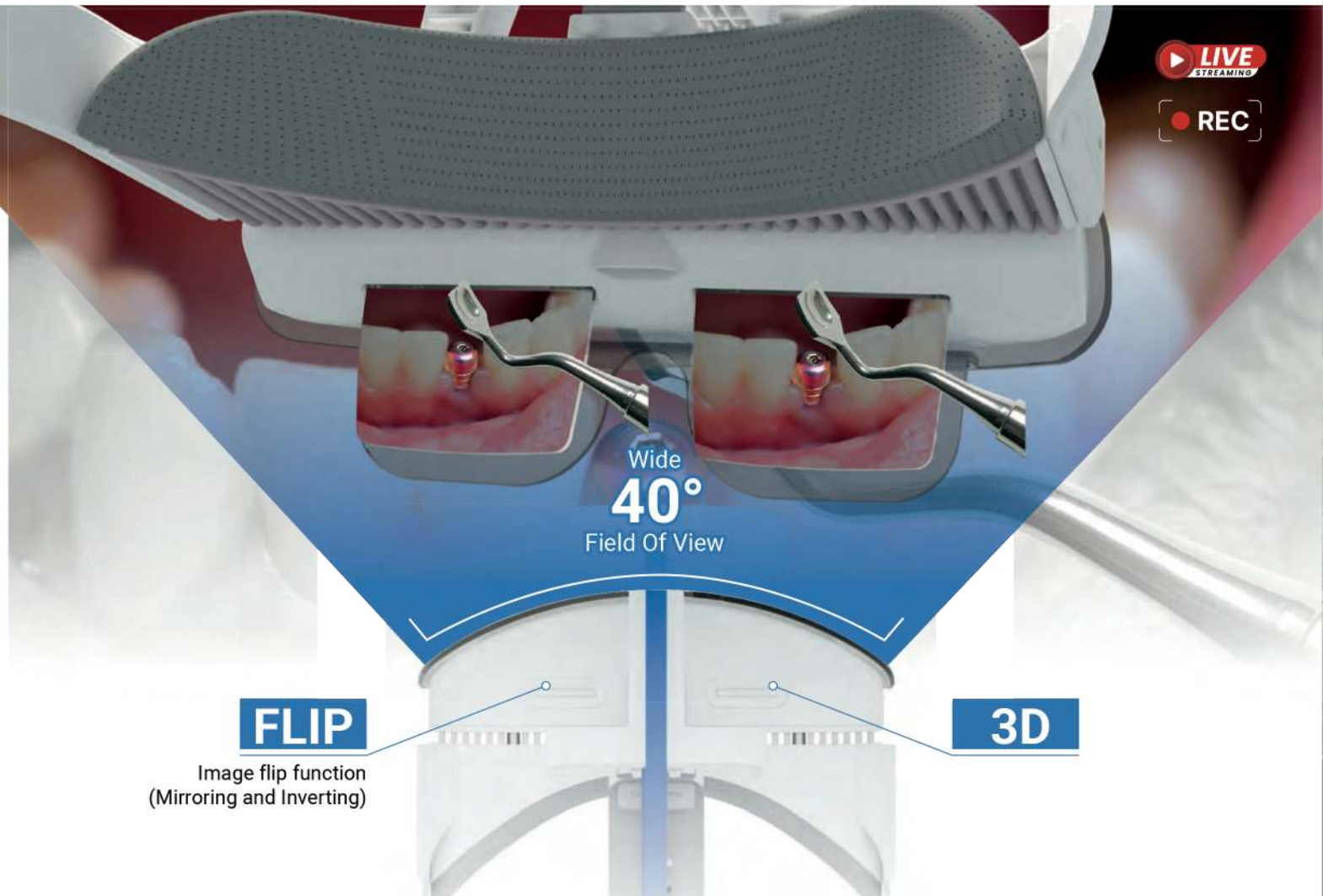
ZOOM

3DMS-1 : 2x ~ 5x / 3DMS-2 : 4x ~ 9x



3D MetaSCOPE's advanced 3D camera delivers a crystal-clear, stereoscopic view with precise **autofocus and adjustable zoom**. Its flexible design allows the **camera to tilt 0° upwards and 90° downwards**, providing optimal viewing angles for surgical and diagnostic procedures.

The **40° field of view** ensures comprehensive visualization, while the 3D Flip function enables seamless image mirroring and inversion for enhanced accuracy. **Real-time streaming and recording** support remote consultations, education, and research, all while reducing eye strain and improving surgical ergonomics.



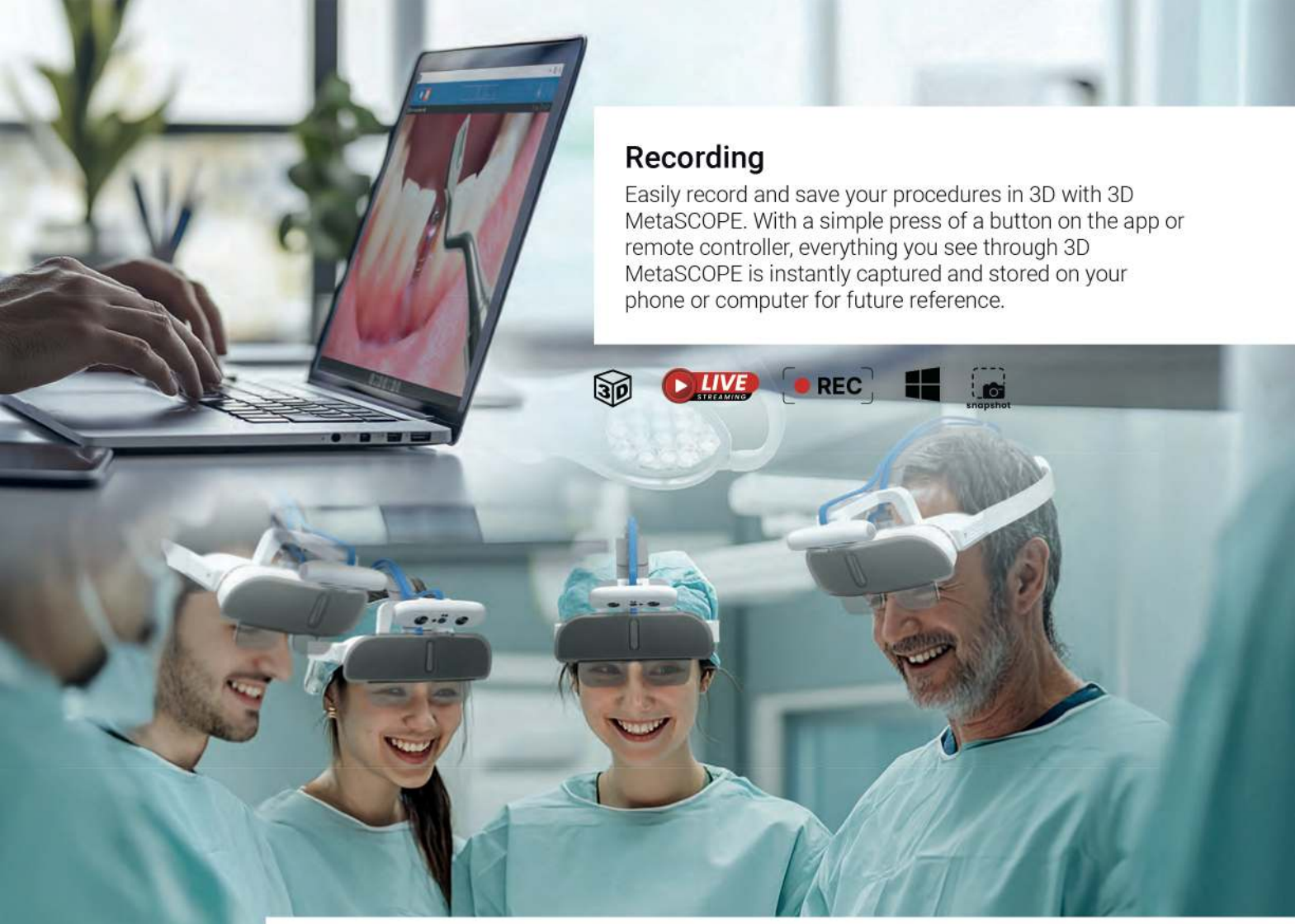
FLIP

Image flip function
(Mirroring and Inverting)

3D

Recording

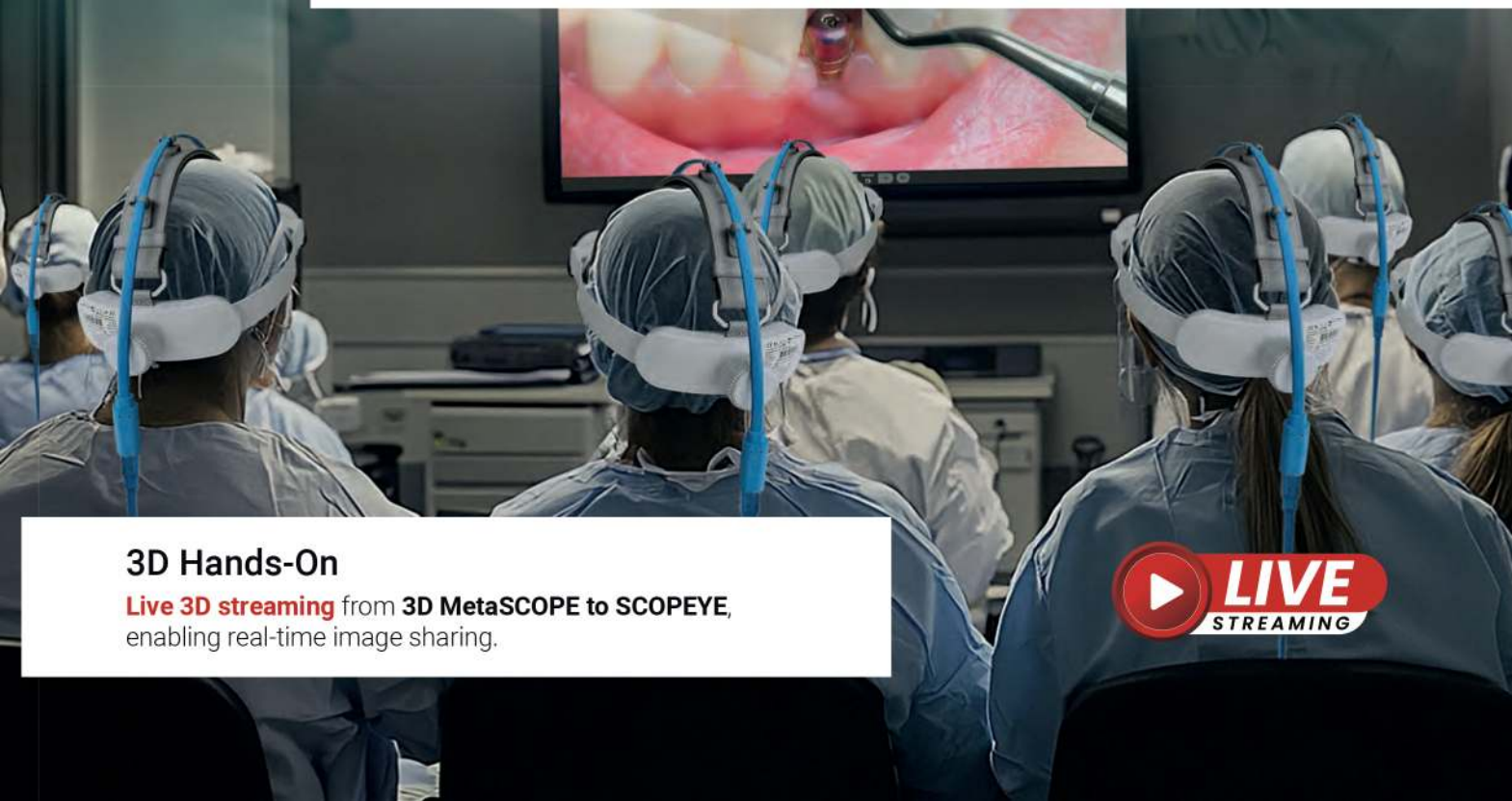
Easily record and save your procedures in 3D with 3D MetaSCOPE. With a simple press of a button on the app or remote controller, everything you see through 3D MetaSCOPE is instantly captured and stored on your phone or computer for future reference.



3D Training (Real-Time Video Sharing & Recording)

3D MetaSCOPE enables real-time sharing of the 3D video source, allowing trainees to view surgical procedures with full depth perception as if they were performing them firsthand. The system supports 3D recording, preserving detailed visuals for future training, case studies, and analysis.

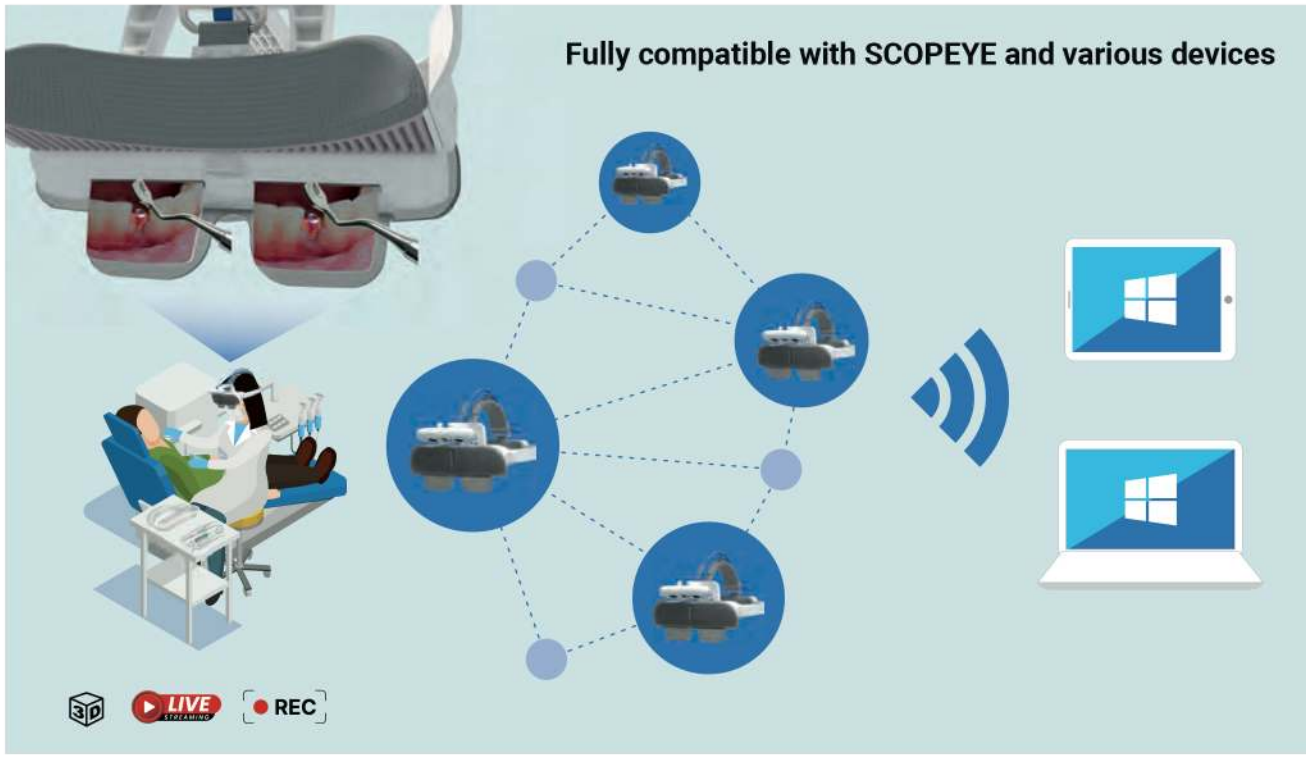
Remote collaboration provides instant feedback from experts worldwide, making medical education more immersive and effective.



3D Hands-On

Live 3D streaming from **3D MetaSCOPE to SCOPEYE**, enabling real-time image sharing.

3D MetaSCOPE®



Tech Specs

World's First 3D Digital Loupes

Wearable Display
Optical Type: Binocular
Optical Technology: Light guide, Top-down display
Resolution: 1920 × 1080p Micro-Display
Field of View: 40°
Weight: 420 g



3D Camera
Sensor Resolution:
3DMS-1: 64MP
3DMS-2: 108MP

Zoom Range:
3DMS-1: 2×~5×
3DMS-2: 4×~9×

Camera Output: 1920 × 1080p @ 60fps

Battery & Power
Power Supply: 6700mAh rechargeable battery
Battery Life: Up to 2 hours of continuous use on a single charge
Charging Time: 3 hours for full charge

Connectivity & Compatibility
Wireless Connection: Wi-Fi for real-time streaming
Latency: Ultra-low latency for real-time surgical visualization
Real-Time Sharing & Recording: Supports 3D streaming and 3D video recording for training and analysis

SCOPEYE 3D player software will be provided

Durability & Cleaning
- Material: Medical-grade, lightweight, and durable frame
- Sterilization: Designed for medical environments; compatible with alcohol-based disinfectants

Package Includes
3D MetaSCOPE with Controller
Detachable Shader Options: Transparent / 5% / 15% / 35%
Remote Controller
Controller Charging Station & Power Adapter
Carrying Case & Pin

Optional Accessories
Wireless / Wired Headlight



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