

FIG. 1 — ASSEMBLED EYE, FRONT VIEW DS-7500-A

EYETRAIN™

A phaco training eye with embedded depth-sensing and a companion mobile app that reads capsulorhexis, incision depth, and instrument path in real time.

HIGHLIGHTS

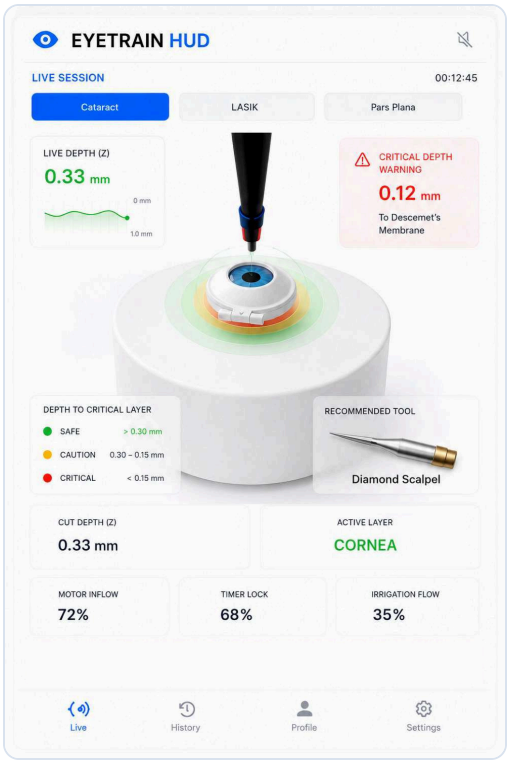
What the platform does that a standard training eye does not.

- **Embedded Depth Sensing** Tracks instrument position through the capsule plane to ± 50 µm*, live during the case.
- **Companion Mobile App** Pairs over Bluetooth and overlays depth, centration, and incision angle as you operate.
- **Reusable Base & Capsules** Sensor ring and Multi-Base are built to outlast hundreds of capsule swaps*.
- **Rechargeable, Cordless** Internal battery runs the sensor and app link with no wall power required.
- **Session Recording** Every case is captured automatically for review, scoring, or instructor sign-off.

± 50	~120	3	5.0	7.5	16+ / 12+
µm*	Hz	Soft / Medium / Hard	Bluetooth LE	mm	iOS / Android
DEPTH	SAMPLING RATE	LENS HARDNESS OPTIONS	CONNECTIVITY	PUPIL APERTURE	APP PLATFORMS

MOBILE APP

Live scoring and post-case review



Live session — depth overlay



Post-case score report

*In development and testing

ABILITIES & SPECIFICATIONS

Full capability set, technical data, and configuration options.

ABILITIES 01

Automatic Fluid Pressure* AC and infusion pressure regulate automatically, holding a stable chamber without manual adjustment.	**Realistic Eye Hardness** Cornea and capsule materials are tuned to approximate real tissue feel* and instrument response.
Live Depth Overlay Instrument depth relative to the capsule plane is displayed in the app in real time.	**Rhexis Scoring*** Centration, roundness, and tear symmetry are measured automatically for each capsulorhexis.
Case Playback Recorded sessions can be scrubbed frame by frame for instructor review.	**Multi-User Profiles** The app tracks progress separately for each trainee across sessions.

TECHNICAL SPECIFICATIONS 02

DEPTH	± 50 µm*	**APP PLATFORMS**	iOS 16+, Android 12+
SAMPLING RATE	~120 Hz	**PUPIL APERTURE**	7.5 mm
CONNECTIVITY	Bluetooth LE 5.0	**LENS HARDNESS OPTIONS**	Soft / Medium / Hard

CONFIGURATION OPTIONS 03

CAPSULE	LENS HARDNESS	SCORING METRICS	KIT CONTENTS
5.5, Pre-Made Rhexis	Soft	Rhexis centration	Multi-Base + sensor ring
8.0, Make-A-Rhexis	Medium	Phaco tip depth	Capsule 5.5 and 8.0
	Hard	Incision angle	USB-C cable, carry case

*In development and testing