

Huvitz

Distributed by:



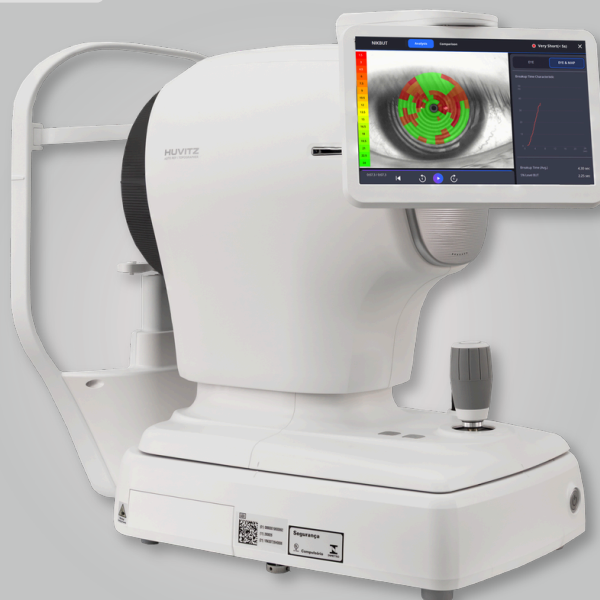
HRKT-1

AUTO REFRACTOR / KERATOMETER |
CORNEAL TOPOGRAPHY | DRY EYE

Huvitz

All-in-One Vision Analysis

The Huvitz HRKT-1 combines autorefractometry, keratometry, corneal topography, dry eye assessment, and visual quality analysis in one instrument. Evaluate refractive, corneal, and tear film findings with built-in analysis and reporting to support prescription planning, contact lens fitting, and dry eye management.

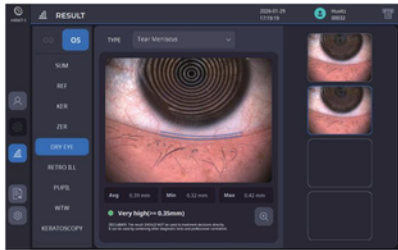


FEATURES:

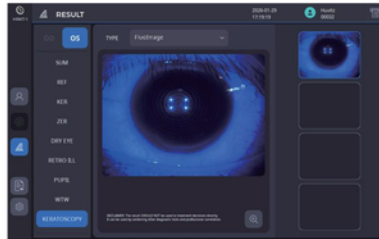
- **Integrated Refraction & Keratometry**
 - Provides objective refractive measurements and corneal curvature data to support prescription planning and contact lens evaluation.
- **24-Ring Corneal Topography & Analysis**
 - Maps corneal shape using 24 Placido rings and over 100,000 analyzed points. Corneal curvature, elevation, and aberration analysis help evaluate irregularity, while the Keratoconus Prediction Index supports keratoconus risk assessment.
- **Contact Lens & Ortho-K Fitting**
 - Offers contact lens and Ortho-K fitting simulations across different manufacturers and lens designs. Map-based curvature and eccentricity data support evaluation of lens centration, alignment, and fit.
- **Structured Dry Eye Assessment**
 - Combines the OSDI questionnaire with six assessments: NIBUT, meibography, lipid layer imaging, tear meniscus height, blink analysis, and fluorescein imaging. Findings are consolidated into an integrated dry eye report to support treatment planning.
- **Visual Quality & Zernike Analysis**
 - Evaluates ocular, corneal, and internal aberrations, with higher-order aberration maps, pupil-size-based analysis, and PSF visualization to help investigate and explain glare, halos, and low-light visual complaints.
- **Built-In Analysis, Reporting & Operation**
 - Performs testing, analysis, and report generation on a 10.1-inch touchscreen—with no external PC required. Semi-automatic tracking, 90° left/right display rotation, and foot-switch image capture support examination workflow.

Clinical Screens & Reports

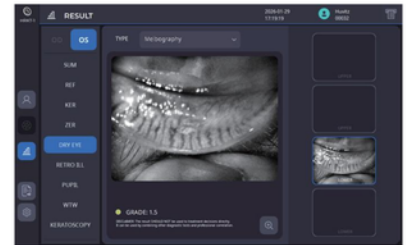
Explore the HRKT-1's refractive, corneal, and dry eye assessment capabilities.



Lipid Layer



Keratometry: Fluorescein



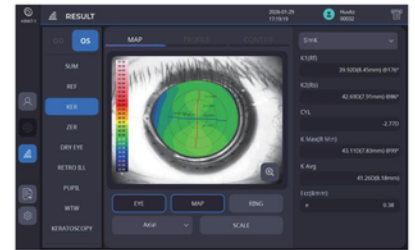
Meibography



Ocular Zernike Analysis



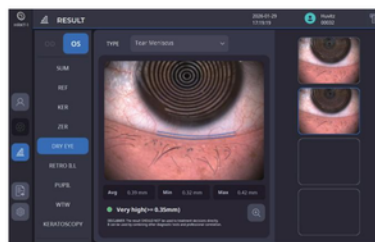
Contact Lens Fitting - Result Screen



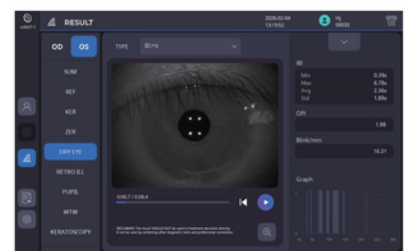
Early Detection of Keratoconus



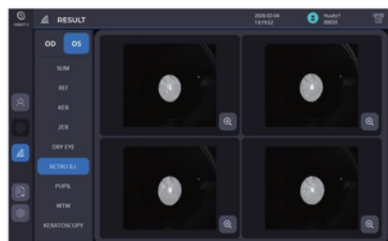
NIBIUT (Non-Invasive Break-up Time)



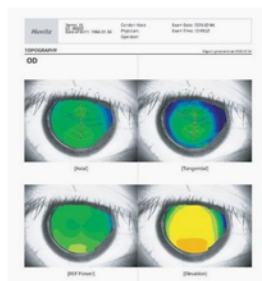
Tear Meniscus Height



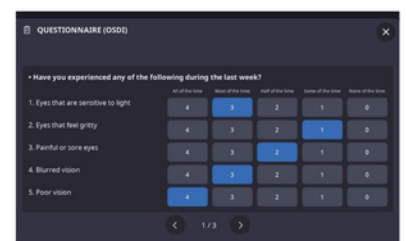
Blink Analysis



Retro Illumination Result Screen



Report: Topography



OSDI Questionnaire

Huvitz

envieye.com | 833-627-0546
sales@nextvision2020.com

Distributed by:

