mono®

Monochromatic Corneal Topographer



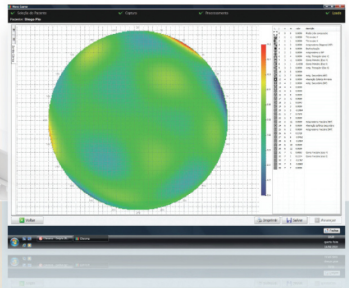
EVOptica

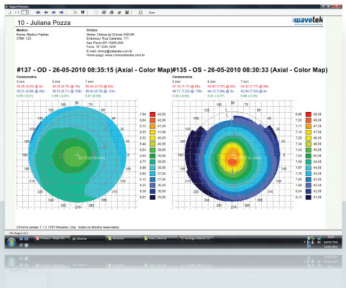
Instrument Features



Software modules

- Axial map, including the traditional EyeSys-style Color Map; tangential map; and multi-map display with two to six maps on screen.
- Contact-lens fitting with simulated fluorescein and an editable virtual trial-lens set, including online upload in the documented software.
- Anterior-corneal wavefront, PSF and MTF analysis using Zernike polynomials.
- Automatic examination backup.
- An examination exporter for viewing exported examinations on an internet-connected computer.
- Network viewing and printing of maps.





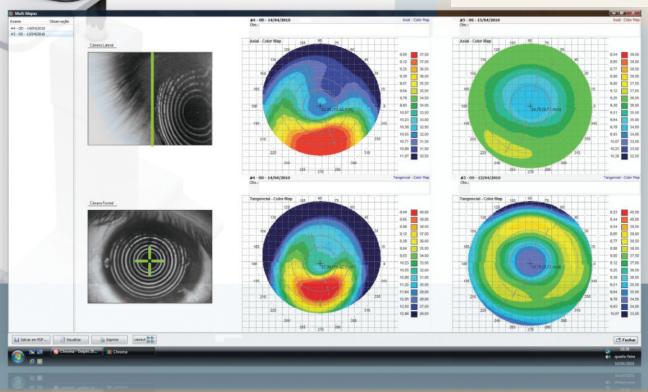


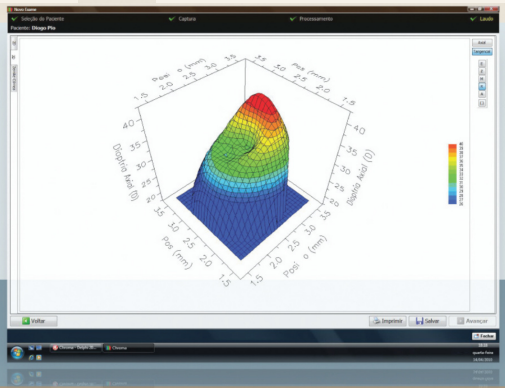
Zernike-based analysis

The Zernike-polynomial module provides views of anterior-corneal optical aberrations and supports intraocular-lens planning workflows. The original brochure describes subtracting corneal coefficients from conventional whole-eye wavefront measurements to estimate the crystalline lens contribution to astigmatism.

Reports and examination sharing

Maps from all modules can be printed locally as reports. A paired left-eye/right-eye layout (OS/OD) can reduce paper use. Reports may also be exported in PDF for email delivery or printing on another compatible printer.





The multi-map module includes frontal and lateral acquisition images for checking capture quality, together with a choice of two to four maps in a single view, including Color Map, 3D, axial and tangential displays. Views can be customized for the clinician and examination.

Three-dimensional axial or tangential maps support rotation, zoom and animation. These views can also be used to explain a corneal condition to a patient or family member.

Source display distinction: the brochure lists two to six maps in the module summary and two to four in the illustrated multi-map workflow. These are retained as separate descriptions rather than treated as one new specification.

EVOptica | evoptica.com | contact@evoptica.com
+1-315-210-8976 (call/text) | 221 S Main St, Fairport, NY 14450, USA