

# S4Optik

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## CORNEAL TOPOGRAPHER

The S4Optik Corneal Topographer allows acquisition of precise measurements by any technician quickly and easily. Networkable software allows intuitive review and analysis.

- Fast, easy data acquisition
- Comprehensive series of map summaries
- Ergonomic design
- Network connectivity



# S4OPTIK

A Division of Advancing Eyecare™

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MANUFACTURING MODERN DESIGN AT AFFORDABLE PRICES

# S4Optik CORNEAL TOPOGRAPHER

## Corneal Topography

This fully featured Placido disk corneal topographer presents all maps including sagittal and tangential curvatures, standard and advanced elevations, refractive power and gaussian curvature. Additionally, a number of numeric indices are presented including those for shape, Ks, peripheral measurements and asymmetry.

## Cataract Pre-Op Analysis

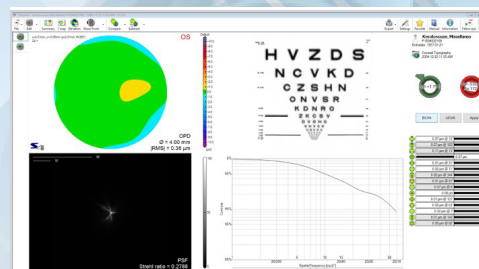
The S4Optik Topographer measures and presents pupil size, angle kappa, spherical aberration, coma, white to white, astigmatism, and HOA RMS values to allow confident lens decisions.

## Pathology Detection

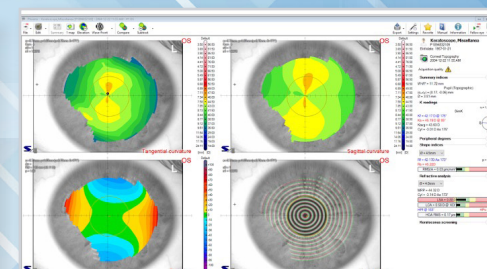
Irregularities can be easily identified with the comprehensive map sets and the asymmetry indices measured by the S4Optik Corneal Topographer.

## Corneal Wavefront

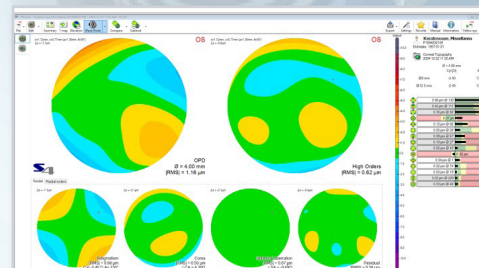
Zernike maps and values are presented as well as corrected vs uncorrected visual simulations for patient education.



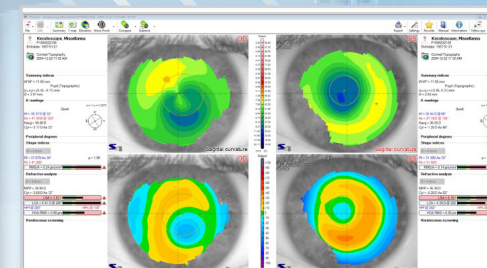
OPTICAL QUALITY SUMMARY



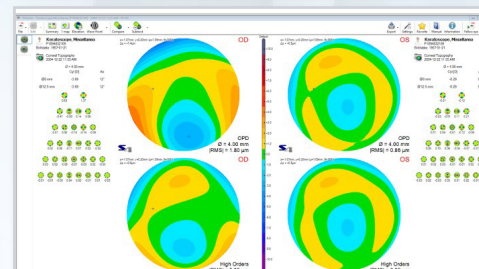
4 MAP SUMMARY



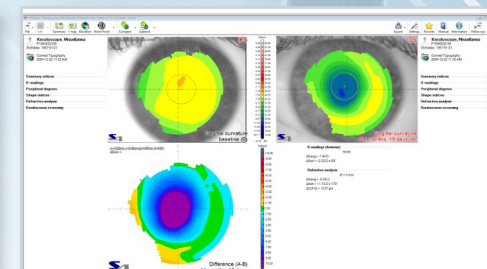
ZERNIKE SUMMARY



OU TOPOGRAPHY



OU WAVEFRONT



DIFFERENCE MAP

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## CORNEAL TOPOGRAPHER



### TECHNICAL SPECIFICATIONS

Data transfer	USB 3.0
Power supply	USB 2.0 5VDC 0,5A
Dimensions (HxDxW)	480 x 315 x 255mm
Weight	4.5Kg
Chin rest movement	70mm ± 1mm
Minimum height of the chin cup from table	24cm
Base movement (xyz)	105 x 110 x 30mm
Working distance	56mm

### LIGHT SOURCES

Placido disk	White LED 400 – 700 nm
Pupillography	LED 940 nm

### TOPOGRAPHY

Placido disk rings	24
Measured points	6144
Topographic covering	10mm
Dioptic measurement range	1D to 100D
Measurement accuracy	Class A according to the UNI EN ISO 19980–2012
Compatibility with standard	DICOM v3 (IHE integration profile EYECARE Workflow)

### MINIMUM SYSTEM REQUIREMENT

PC: CPU: I3 or higher ( suggested I5) - CHIP SET: intel - RAM: 4 Gbyte or higher (suggested 8 Gbyte) - GRAPHIC VIDEO BOARD: 1 Gbyte not shared - RESOLUTION: 1280x960 or higher - USB 3.0 port - Operating System: Windows 7, 8, 10 (64bit)

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