

OCULUS
Pentacam®
Pentacam® HR
Pentacam® AXL
Configurations



Standard Software



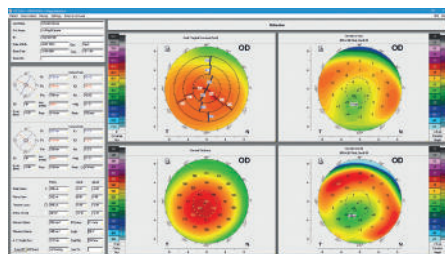
Fast Screening Report
Designed to summarize and analyze the most relevant information based on normative data

Additional Software Modules

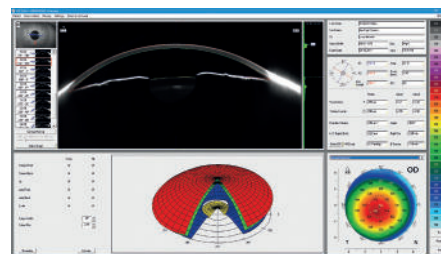
! Not available for all Pentacam® models.
Please review back table for more details.



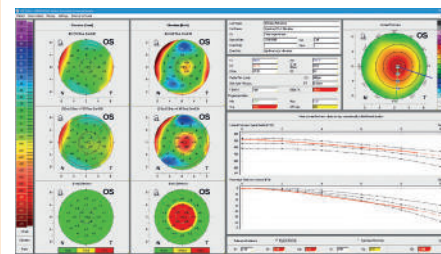
IOL Calculator
Comprehensive IOL Calculator for virgin and post corneal refractive eyes



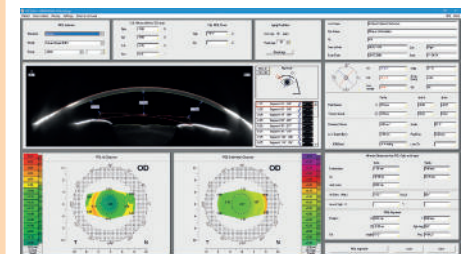
4 Maps Refractive
Shows anterior corneal curvature and elevation, posterior corneal elevation and corneal thickness



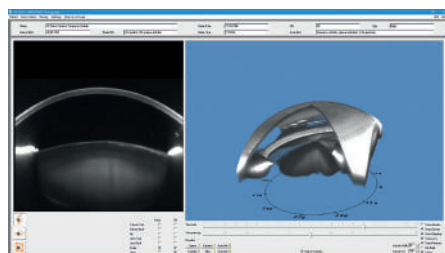
General Overview
Scheimpflug images, pachymetry, HWTW, keratometry, anterior chamber analysis, colour maps



Belin/Ambrósio Enhanced Ectasia Display
Early detection of corneal ectasia and risk management for refractive surgery



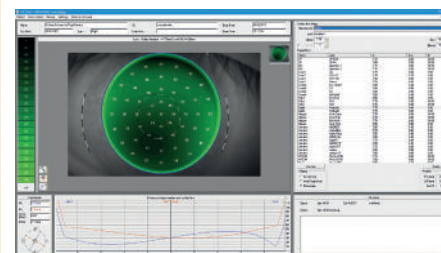
3D pIOL Simulation and Aging Prediction
Assists in preoperative planning of iris-fixed phakic IOLs



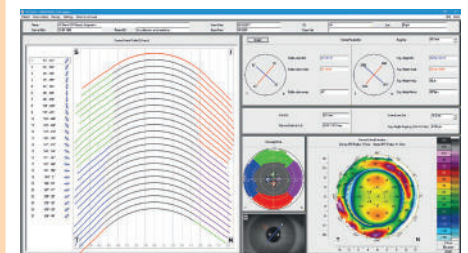
Tomography
Virtual 3D model of the anterior eye segment



Belin ABCD Progression Display
Keratoconus progression based on the Belin ABCD KC-Staging

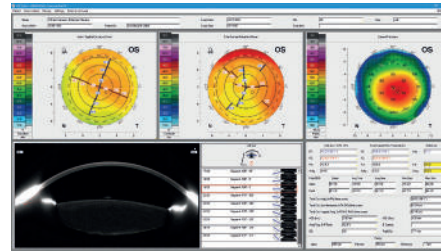


Contact Lens Fitting
Integrated and expandable contact lens database and realistic fluorescein image simulation



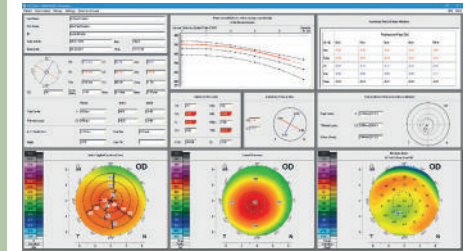
CSP Report
Sagittal height measurement for scleral lens fitting, covering a diameter of up to 18 mm

Cataract Software Package

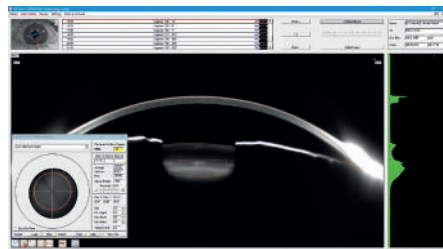


Cataract Pre-OP Display
Evaluation of corneal optical quality for premium IOL selection in 4 steps

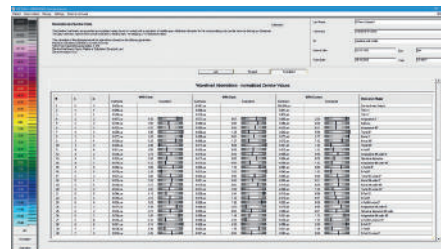
Refractive Software Package



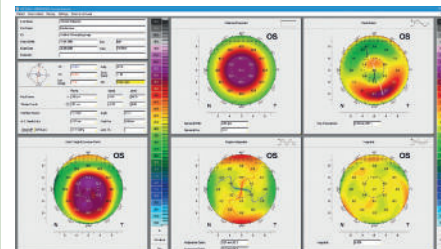
Refractive
Overview for refractive surgeons of keratometry, pachymetry and corneal thickness progression



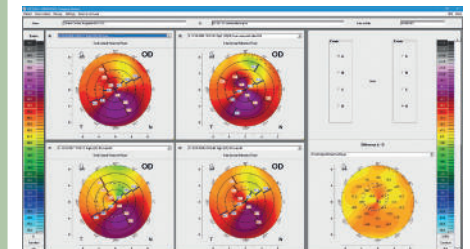
PNS and 3D Cataract Analysis
Objective quantification of lens opacities in 2D and 3D



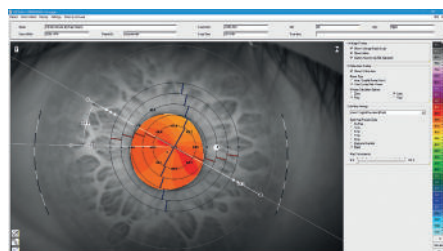
Zernike Analysis
Zernike Analysis and determination of lower and higher order aberrations including normative data



Fourier Analysis
Visual representation of lower and higher order aberrations and assessment of achievable optical outcome



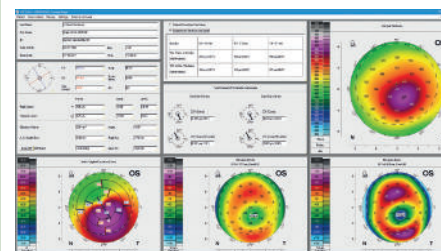
Compare 4 Exams
Objective and intuitive follow-up and documentation



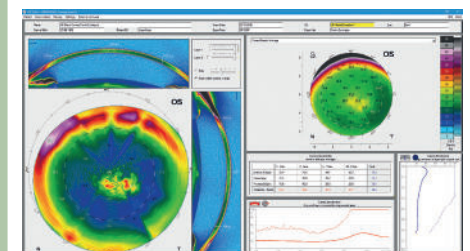
Iris Image
Keratometry and Topography overlay for assessment of curvature, corneal power, pupil size and shape



Corneal Power Distribution
Assessment of corneal power with adjustable calculation zones for post-refractive IOL calculations



Corneal Rings
Qualitative and quantitative assessment of corneal properties for pre-operative planning of corneal ring implantation



Corneal Optical Densitometry
Objective analysis of corneal optical densitometry in different layers and zones

Pentacam® Configurations

Standard software	Pentacam®	Pentacam® HR	Pentacam® AXL
Fast Screening Report	✓	✓	✓
4 Maps Refractive	✓	✓	✓
General Overview	✓	✓	✓
Anterior segment tomography	✓	✓	✓
Topometric/KC Staging (Belin ABCD Keratoconus Staging)	✓	✓	✓
Belin ABCD Progression Display	✓	✓	✓
Iris camera and automatic HWTW measurement	✓	✓	✓
3D anterior chamber analysis	✓	✓	✓
Compare 2 Exams	✓	✓	✓
Compare 2 Exams Scheimpflug Images	✓	✓	✓
Scheimpflug Image Overview	✓	✓	✓
Additional software			
Refractive software package (see R for details)	○	○	✓
Cataract software package (see C for details)	○	○	✓
Holladay Report and Holladay EKR Detail Report	○	○	✓
Corneal Optical Densitometry	○	○	✓
PNS and 3D Cataract Analysis	○	○	✓
Belin/Ambrósio Enhanced Ectasia Display	○	○	✓
3D pIOL Simulation and Aging Prediction	–	○	○
IOL Calculator	–	○	✓
CSP Report	○	○	–
Contact Lens Fitting	○	○	✓
DICOM Interface	○	○	○
Hardware			
Optical biometer	–	–	✓
High-resolution camera	–	✓	✓
Floating License Key (1)	✓	✓	✓

Key: ✓ included ○ optional – not available

CE in accordance with Medical Device Directive 93/42/EEC

WWW.OCULUS.DE



OCULUS is certified by TÜV according to
DIN EN ISO 13485 MDSAP

OCULUS Optikgeräte GmbH
Postfach • 35549 Wetzlar • GERMANY
Tel. +49 641 2005-0 • Fax +49 641 2005-295
Email: export@oculus.de • www.oculus.de

Find your local OCULUS representative on our website.



Refractive Software Package

- Corneal Optical Densitometry
- Refractive display
- Pachymetric display
- Fourier Analysis
- 4 Maps Selectable
- Compare 4 Exams
- Show 2 Exams Topometric
- Show 2 Exams Pachymetric
- Corneal Rings



Cataract Software Package

- Cataract Pre-OP Display
- PNS and 3D Cataract Analysis
- Zernike Analysis
- Keratometry overlay in Iris Image
- Corneal Power Distribution
- Compare 4 Exams
- Show 2 Exams Topometric
- Show 2 Exams Pachymetric
- 4 Maps Chamber
- 4 Maps Topometric
- Total Corneal Refractive Power (TCRP)
- True Net Power (TNP)

The availability of products and features may vary by country.
OCULUS reserves the right to change product specifications and design.
All information is valid at the time of printing (01/20).

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