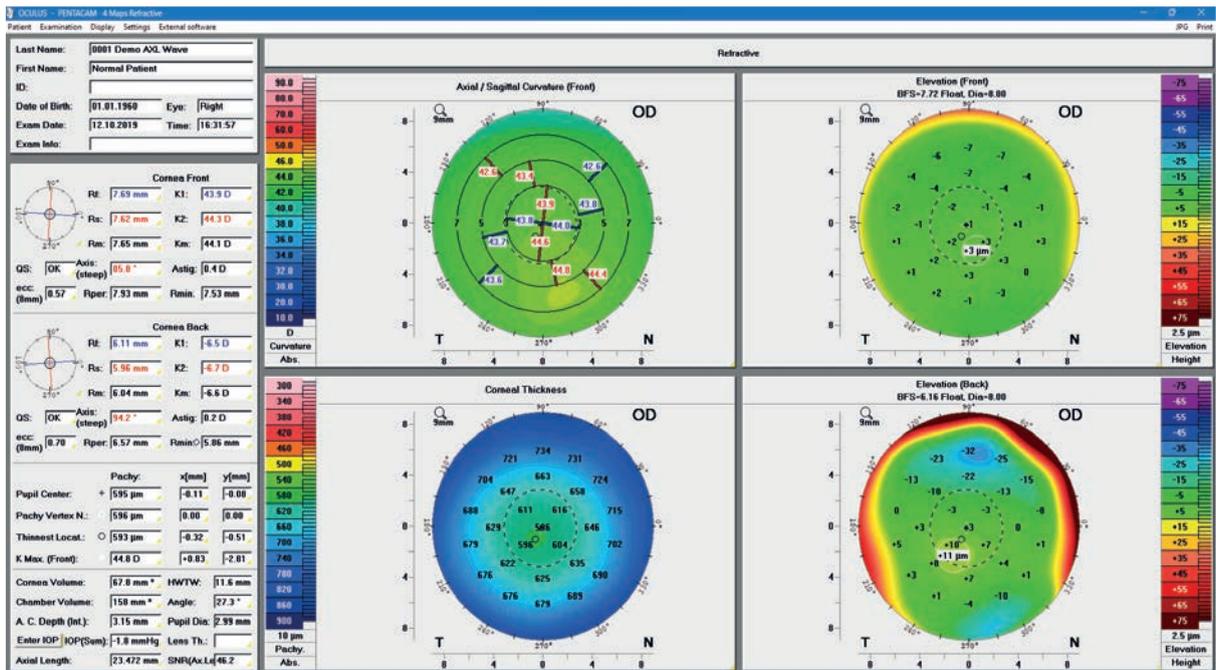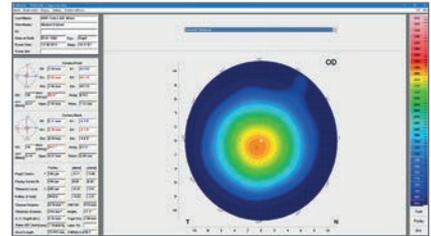# OCULUS Pentacam® Family
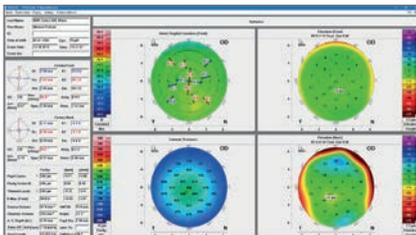## Software Configurations

Standard Software

Fast Screening Report

Most relevant information based on normative data, summarized and analyzed
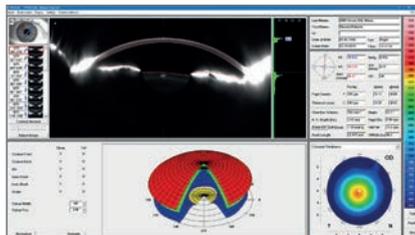
1 Large Colour Map

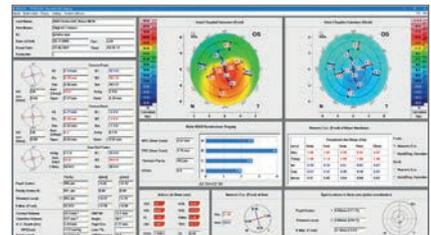Detailed evaluation of every colour map

4 Maps Refractive

Anterior corneal curvature and elevation, posterior corneal elevation and corneal thickness

General Overview

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

Topometric / KC Staging (Belin ABCD Keratoconus Staging)
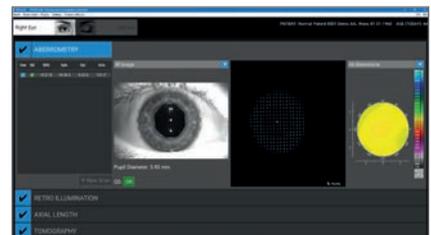
Belin ABCD keratoconus classification

Belin ABCD Progression Display

Keratoconus progression based on the Belin ABCD KC-Staging
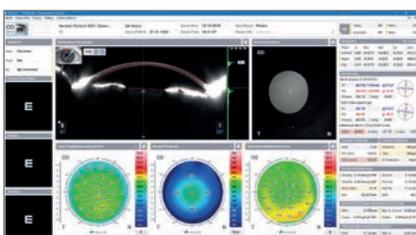
Compare 2 Exams Scheimpflug Images

Visual representation of changes in the anterior chamber

Full Sequence Measurement

Intuitive operation thanks to guided recording mode

① ②

Full Sequence Overview
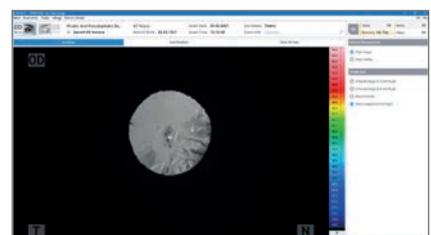
Overview for cataract refractive surgery planning

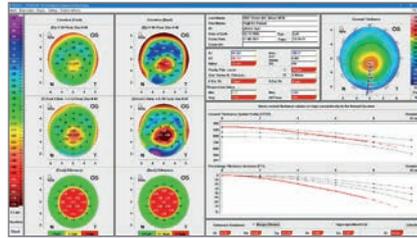### Aberrometry

Diverse representations of aberrations

Iris/Retro Image

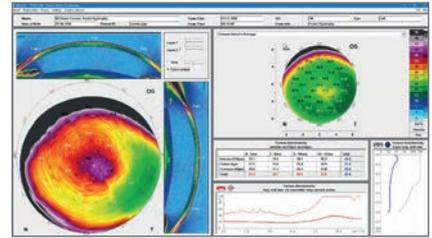Visual representation of lens opacities and IOLs

①

①

①

① for Pentacam® AXL Wave   ② for Pentacam® HR
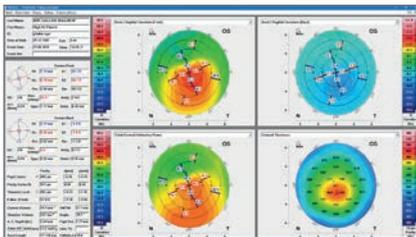
Screening Package

Belin/Ambrósio Enhanced Ectasia Display

Quick detection of corneal abnomalities and early detection of corneal changes
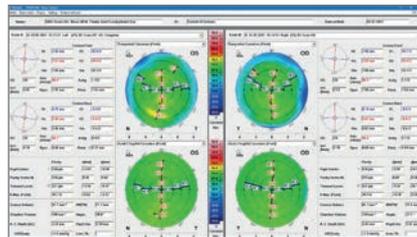
Corneal Optical Densitometry

Objective analysis of corneal optical densitometry in different layers and zones

4 Maps Selectable

Customizable quad map for any available colour map

Show 2 Exams

For better comparison of two examination results

Refractive Package
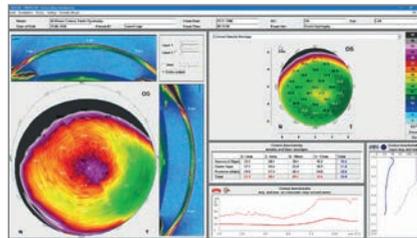
Corneal Optical Densitometry

Objective analysis of corneal optical densitometry in different layers and zones
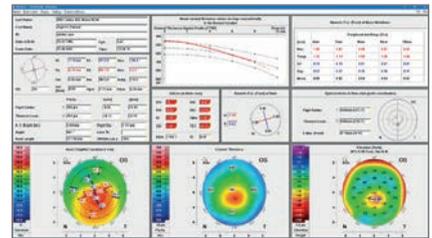
Refractive

Overview of keratometry, pachymetry and corneal thickness progression for pre-operative planning of refractive surgeries
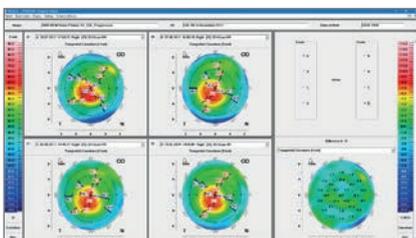
Compare 4 Exams

Objective and intuitive follow-up and documentation
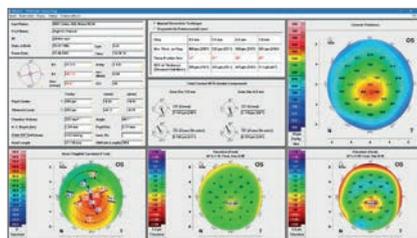
Corneal Rings

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

Show 2 Exams Topometric

Evaluation of two examinations regarding the corneal surface properties

Cataract Package

PNS and 3D Cataract Analysis

Objective quantification of lens opacities in 2D and 3D

Cataract Pre-OP Display

Premium IOL selection in 4 steps
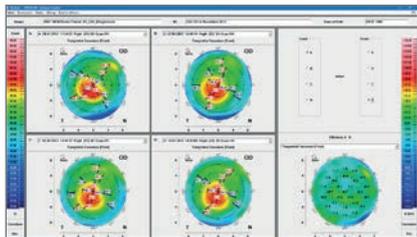
Compare 4 Exams

Visual representation and analysis of follow-up examinations
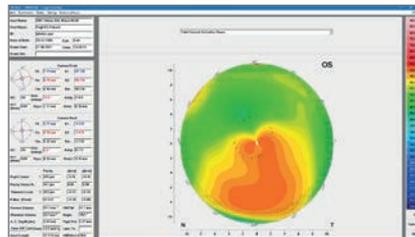
Total Corneal Refractive Power (TCRP)

Calculation of total corneal refractive power using ray tracing
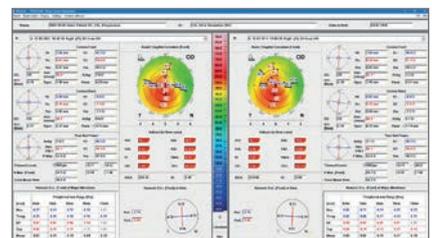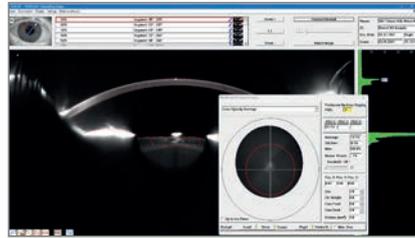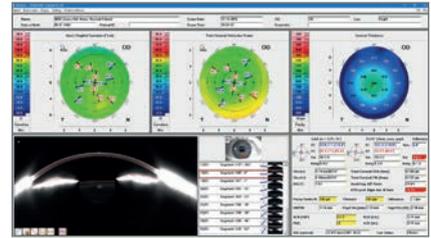

Anterior Chamber Angle at Scheimpflug Images

Chamber angles, calculated and displayed for every Scheimpflug image
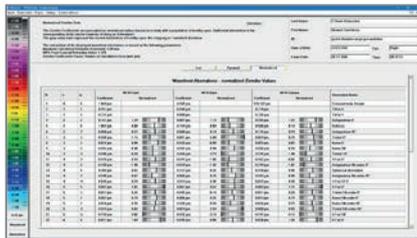
Aberrometry Cornea

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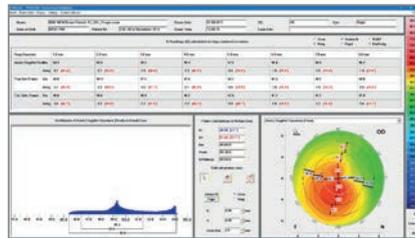
Corneal Power Distribution

Assessment of corneal power with calculation zones and rings
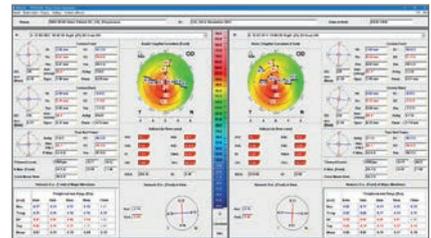
Show 2 Exams Topometric

Evaluation of two examinations regarding the corneal surface properties
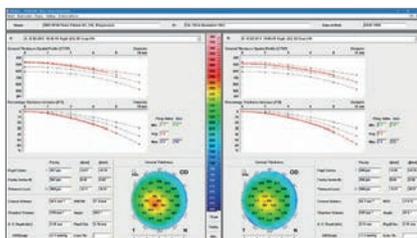
Show 2 Exams Pachymetric

Evaluation of two examinations regarding pachymetric characteristics
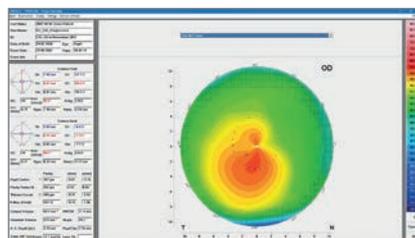
True Net Power (TNP)

Visual representation of corneal refractive power taking into account the anterior and posterior corneal surface
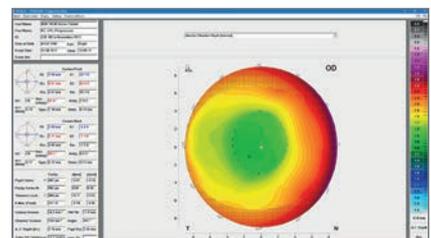
Anterior Chamber Depth

Full visual representation of anterior chamber depth without corneal thickness

Contact Lens Fitting Package
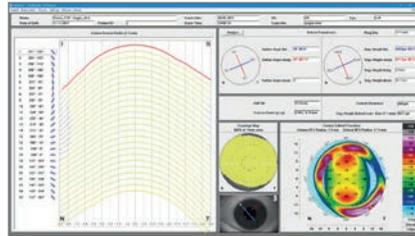
CSP Report Pro

Topography measurement of the cornea and sclera, including sagittal height measurements; ideal for scleral lens fitting ① ②
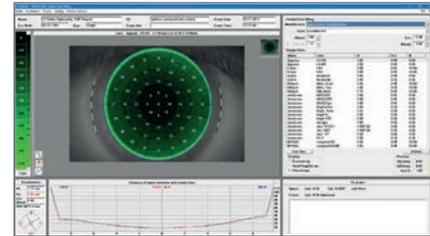
Contact Lens Fitting Software incl. Fourier Analysis

Integrated contact lens database, realistic fluorescein image simulation

Aberrometry Cornea

Wavefront data and determination of lower and higher order aberrations, including normative data
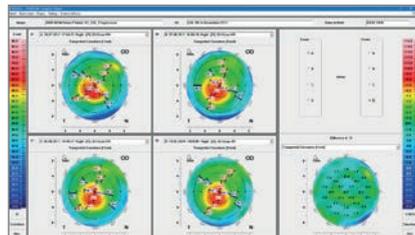
Compare 4 Exams

Objective and intuitive follow-up and documentation

Myopia Package

Growth Curves

Patient data, compared with normative data in cooperation with BHVI ①

Myopia Guide

Risk assessment of myopia progression not only based on measurement data and environmental conditions ①

Growth Control

Monitoring the changes in eye growth as well as treatment successes ①

GRAS Module

Gullstrand **R**efractive **A**nalysis **S**ystem, compares individual optical components with the age-adjusted Gullstrand eye ①

① for Pentacam® AXL Wave   ② for Pentacam® HR

Single Licenses

not part of any package

IOL Calculator

IOL calculation for virgin and treated eyes

③
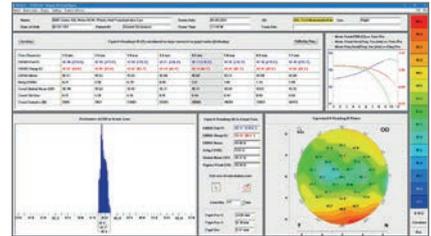
Holladay Report / Holladay EKR Detail Report

Intuitive overview showing six corneal maps and detailed analysis of corneal refractive power
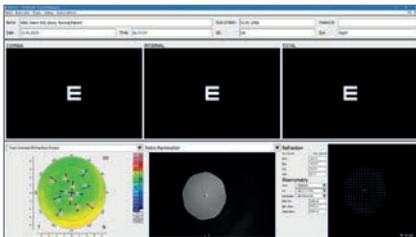
Visual Performance

Quantitative visualisation of the refractive properties of the cornea, lens and the entire eye

①
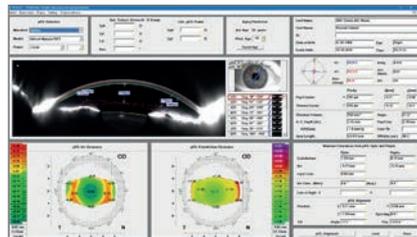
3D pIOL Simulation and Aging Prediction

Preoperative planning of iris-fixated phakic IOLs

③

Pentacam®

Pentacam® HR

Pentacam® AXL

Pentacam® AXL Wave

① for Pentacam® AXL Wave

② for Pentacam® HR

③ not for Pentacam®

OCULUS Pentacam® Family
Optional Software

	Pentacam®	Pentacam® HR	Pentacam® AXL	Pentacam® AXL Wave
Screening Package	O	O	O	O
Belin/Ambrósio Enhanced Ectasia Display Ⓔ	O	O	O	O
Corneal Optical Densitometry Ⓔ	O	O	O	O
Show 2 Exams				
4 Maps Selectable				
Refractive Package	O	O	O	O
Corneal Optical Densitometry Ⓔ	O	O	O	O
Refractive Display				
Pachymetric Display				
4 Maps Selectable				
Compare 4 Exams				
2 Exams Topometric				
2 Exams Pachymetric				
Corneal Rings				
Cataract Package	O	O	O	O
PNS and 3D Cataract Analysis				
Cataract Pre-OP Display				
Zernike Analysis				
Corneal Power Distribution				
Compare 4 Exams				
Show 2 Exams Topometric				
Show 2 Exams Pachymetric				
4 Maps Topometric				
4 Maps Anterior Chamber				
Total Corneal Refractive Power (TCRP)				
True Net Power (TNP)				
Anterior Chamber Depth				
Anterior Chamber Angle at Scheimpflug Images				
Contact Lens Fitting Package	–	O	–	O
CSP Report / CSP Report Pro Ⓔ	O / –	–* / O	– / –	– / O
Contact Lens Fitting Software incl. Fourier Analysis Ⓔ	O	O	O	O
Zernike Analysis				
Compare 4 Exams				
Myopia Package	–	–	–	O
Growth Curves				
Myopia Guide				
Growth Control				
GRAS Module				

O optional   – not available

Ⓔ Module available individually

* Available on request for Pentacam® HR devices manufactured before 2024

OCULUS Pentacam® Family
Standard Software & Single Licenses

Standard Software	Pentacam®	Pentacam® HR	Pentacam® AXL	Pentacam® AXL Wave
Fast Screening Report	✓	✓	✓	✓
1 Large Colour Map	✓	✓	✓	✓
Virtual Eye	✓	✓	✓	✓
Tomography	✓	✓	✓	✓
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	✓	✓	✓	✓
Full Sequence Measurement	–	✓	–	✓
Full Sequence Overview Ⓔ	–	–	–	✓
Aberrometry Ⓔ	–	–	–	✓
Iris/Retro Image	–	–	–	✓
Single Licenses				
Holladay Report und Holladay EKR Detail Report	O	O	O	O
3D pIOL Simulation and Aging Prediction	–	O	O	O
IOL Calculator	–	O	O	O
DICOM	O	O	O	O
Visual Performance	–	–	–	O

✓ included   O optional   – not available

Ⓔ Module available individually

All packages and single licenses are available as multiple licenses for a discounted price.

WWW.OCULUS.DE

The OCULUS QM system is certified in accordance with ISO 13485 (MDSAP) and (EU) 2017/745 (MDR)

Find your local OCULUS representative on our website.