

Pentacam® Cornea OCT

Best of Both Worlds –

Turning the Light on in a Dark Room





Target
Customers



Measurement
Technology



Further Features &
Benefits



Standard Scope of
Supply



Optional Software
Packages



Workflow
Integration



Network
Integration



Service &
Support

- Cornea Specialists
- Refractive Surgeons
- Cataract Refractive Surgeons
- High-End Optometrists

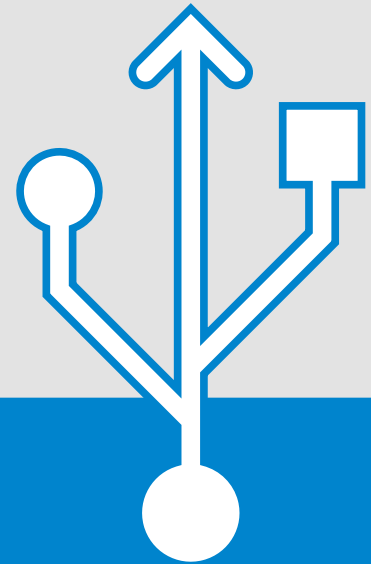
Detection of various conditions are supported by this device e.g.

- Corneal irregularities like keratoconus, corneal transplants, any post-refractive surgery procedures, corneal dystrophies, corneal injuries, scarring etc.
- It is also very helpful in patient education



Target Customers

- Ultra-high-resolution spectral domain imaging
- Scan resolution of $1,9\mu\text{m}$ axially and $10\mu\text{m}$ transversely. High axial resolution ensures detailed imaging of corneal structures like sublayers
- "Optical Biopsy": Unprecedented visibility of corneal abnormalities
- Combination of OCT and Scheimpflug Technology, capturing images from the same measurement axis, ensuring consistency and accuracy for advanced diagnostics
- Wide-Angle Pericentric Scan: Ensures high-resolution imaging across the entire cornea, providing detailed visualization even in the periphery, thanks to the parallel scan geometry



- Proven Pentacam® Scheimpflug Technology with 276k measurement points and Software, study base of hundreds of studies. Established and validated SW with normative data. Think Pentacam® HR!
- FLK is universal: Existing Pentacam® Software can be used for OCT
- Fast Examination Time: The combined scan using both Scheimpflug and OCT technology is completed in just 1 second, 25 radial scans
- Wide Coverage: Epi-map up to 12 mm, Scheimpflug: 22 mm, OCT: 15 mm
- Manual measurements within OCT images, e.g. vault measurements for scleral lenses
- Averaging mode: Enhanced image quality combines 25 images



Further Features & Benefits

- Measuring head and box
- Embedded in a specially designed vibration-free table
- An all-in-one high-performance PC and 27" monitor
- Basic Software Package – like for other Pentacam® models
- Epithelium-map
- Lidstick Dispenser with Lidsticks®



Standard Scope of Supply

- **Screening Package:** Enhances early detection and screening capabilities
- **Refractive Package:** Provides additional analysis tools for refractive surgery planning
- **Cataract Package:** Includes tools for cataract pre-op analysis and IOL calculations
- **Contact Lens Fitting Package:** For contact lens fitting with advanced measurement tools
- **IOL Calculator:** Delivers precise IOL calculations for improved refractive outcomes



Optional Software Packages

- **Quick and Efficient Workflow:** Scanning time of just 1 second
- **Data Transfer and Review:** Previous examinations taken with any Pentacam® model can be reviewed and evaluated with the Pentacam® Cornea OCT, ensuring seamless integration of historical data
- **QS:** Continuous confirmation about the quality status of scans and data taken
- **Patient Management Software:** Latest SW Version 7.6
- **Link to Corvis® ST:** Can be setup if customer owns a Corvis® ST



- **PC Specifications:** Intel Core i7-14700, 32GB RAM, 2TB Hard disk, Windows 11 Pro, 27" Full HD Display
- **Network Storage Compatibility:** Requires a minimum network speed of 1Gbps
- **Data Storage Requirements:** Each complete examination per eye requires approximately 500MB of storage space

Optional External Storage Recommendations:

- **DAS (Direct Attached Storage):** Connected via USB-C, this storage option ensures fast access times but is limited to local storage
- **NAS (Network Attached Storage):** Connected via network cable, the NAS system can be used in local networks, offering mirrored data protection with slower access times. A minimum of 20TB storage is recommended.
- **Optional 4 K Monitor/Mini-PC:** Viewing expansion to separate diagnostics space / room

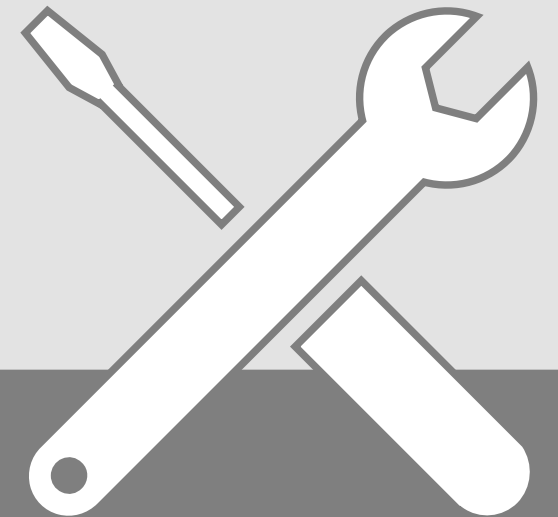


■ **Calibration and Maintenance:**

Our service team is available to assist with setup and maintenance

■ **OCULUS Care Package:** This all-inclusive package

- Extends the warranty to 5 years
- Includes software upgrades
- Online training and access to the OCULUS e-learning platform
- Screening, Refractive, and Cataract packages are included as part of the bundle



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