FOURIER DOMAIN OCT CASIA2

3D SWEEPT SOURCE OCT

DELIGHT IN SIGHT

Combines experience and progress. Amazingly fast and easy to handle.

CASIA2 MEASURING MODE

- CUSTOM SCAN
  - Scan method: Radial / raster / 3D H.V / 3D single / Move H.V
  - Depth: 11 mm & 15 mm
  - B-scan range: 3 mm - 16 mm
  - A/B scan: 600 - 2900 A-scans per line sampling
  - B/C scan: 0.3 sec
  - Scan range: Ø 16 mm
  - Depth: 11 mm

BLEB SEGMENT
- Scan direction: Raster scan – horizontal, vertical, 256 images
- Scan resolution: 600 A-scans per line sampling
- Scan speed: 2.4 sec
- Scan range: Ø 16 mm
- Depth: 11 mm

AS GLOBAL SCAN
- Scan direction: Radial – 128 images
- Scan resolution: 600 A-scans per line sampling
- Scan speed: 1 sec
- Scan range: Ø 16 mm
- Depth: 11 mm

LENS BIMETRY
- Scan direction: Radial – 16 images
- Scan resolution: 600 A-scans per line sampling
- Scan speed: 0.2 sec
- Scan range: Ø 16 mm
- Depth: 11 mm

VITREOUS RASHER
- Scan direction: Raster – 256 images
- Scan resolution: 600 A-scans per line sampling
- Scan speed: 2.4 sec
- Scan range: Ø 16 mm
- Depth: 11 mm

CASIA2 ANALYSIS

- MEASUREMENT UNIT
  - Resolution: Axial (depth): 10μm or less (in tissue), Transverse: 30μm or less (in tissue)
  - Scan speed: 50,000 A-scans/second
  - Scan range: 16 x 16 x 16 mm
  - Transverse: 12 x 12 mm
  - Stroke of moving section: 60 mm (front), 40 mm (rear), 43 mm (front)
  - Touch screen: 2D / optional 2D
  - Dimension: W: 500 x D: 455 x H: 290 mm
  - Weight: Approx. 33 kg

- LIGHT-SOURCE
  - Type: Swept source laser
  - Wavelength: 1310 nm
  - Principal: Fourier domain
  - Output power: Less than 6 mW

- POWER-SOURCE
  - Voltage: 100 VAC – 240 VAC
  - Frequency: 50/60 Hz
  - Power consumption: 170 W

- WORKSTATION COMPUTER
  - OS: Windows® 8.1 64 bit
  - CPU: Intel® Core™ Processor or higher
  - Memory: 8 GB
  - OS or SSD: 250GB SSD & external 2.5” 72
  - Data output: Printer/LAN/USB
  - Data export: LAN/USB

- ACCESSORIES (OPTIONAL)
  - E-LR Table: TTYC-1000 / TTYC-400
  - CASIA2 shelf: TTYC-2000 / TTYC-800

- Testing application for Cataract / Glaucoma / Cornea Surgery
- Glaucoma angle analysis (360°)
- Advanced imaging with deeper scanning depth (13 mm) and faster scanning speed (50,000 A-scan/sec)
- Corneal topography + IOL choice & calculation
- Lens shape analysis & trend analysis
- Phakic IOL simulation

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TOMEY TECHNOLOGY AND VISION
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THE TOMEY FOURIER DOMAIN OCT CASIA2
3D SWEPT SOURCE OCT

QUALITY IN DETAIL

With our long experience in the field of OCT we have developed an outstanding machine, which fulfils the expectations of the eye doctors specialised in all different areas. It simply doesn’t matter which area of expertise – CASIA2 will certainly inspire you! It is incredibly fast and easy to use as 1-2-3.

CASIA2 impresses by intuitive and mostly automated handling, encouraged by an unbelievable measurement speed. Our software guides you easily from measuring through analysis to the final report.

Be inspired now and see the eye from a different perspective. The CASIA2 has much more impressive features as we can show here. Did we catch your interest? If so, learn more about it and get in touch with us.

TAKE A JOURNEY OF DISCOVERY THROUGH THE HUMAN EYE.

Cataract

The detected cornea front and back surface analysis guides you towards the best refractive procedure for your patient’s satisfaction.

The unique measurement of all 5 relevant lens parameters leads you to a precise prediction of your surgery result.

Post surgery imaging clearly visualises and documents the quality of the treatment result.

Glaucoma

CASIA2 now automatically detects the anterior chamber angles in 360 degrees …

… and displays the result in a detailed and inimitable comprehensive map.

The unrelated compressing imaging scan method allows you to illustrate tiny regions of the interest with the same scanning rate, which leads to a surprising scanning density.

Cornea

All possible measurements of different corneal areas can be displayed in a clearly arranged customised cornea analysis map.

Our unique trend analysis display visualises the chronological progress of the post treatment regression of the eye.

Additional to our sophisticated Ectasia software, the new Epithelium map is now available. Therefore all corneal degenerations will be detected right away.

www.tomey.de