

SPECIFICATIONS

OCT IMAGING

Methodology	Spectral domain OCT
Optical source	Super luminescent diode (SLD), 840 nm
Scan speed	36,000 A-scans/s
Axial resolution (optical)	5 microns (optical), 2.7 microns (digital)
Transverse resolution	15 microns (optical), 3 microns (digital)
A-scan depth	2.3 mm
Diopter range	- 20 to + 20 diopters
Scan patterns	Macular: HD line scan (6 mm or 12 mm), 3D scan (6 mm x 6 mm), 6-line radial scan Disc: 3D scan (6 mm x 6 mm) Anterior: HD line scan (6 mm), 6-line radial scan

FUNDUS IMAGING

Methodology	Line scanning ophthalmoscopy (LSO)
Frame rate	10 fps
Minimum pupil diameter	3.0 mm
Field of view	50 degrees

SOFTWARE ANALYSIS

Macula	Retina thickness analysis; 3D view; En-face analysis; Progression analysis
Glaucoma	RNFL analysis; Ganglion cell analysis; Cup-disk analysis; Progression analysis; OU comparative analysis
Anterior Segment	Manual measurement; Corneal thickness analysis
Others	DICOM conformance; Remote viewer software available

ELECTRICAL AND PHYSICAL

Weight	29 kg
Dimension	450 mm (L) x 250 mm (W) x 450 mm (H)
Source voltage	AC 100 - 240 V
Frequency	50 Hz - 60 Hz
Power input	90 VA

Specifications subject to change without notice

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CE 0123



Optical Coherence Tomography

FCT-01

FCT-01

Optical Coherence Tomography

Redefine the quality of entry level OCT

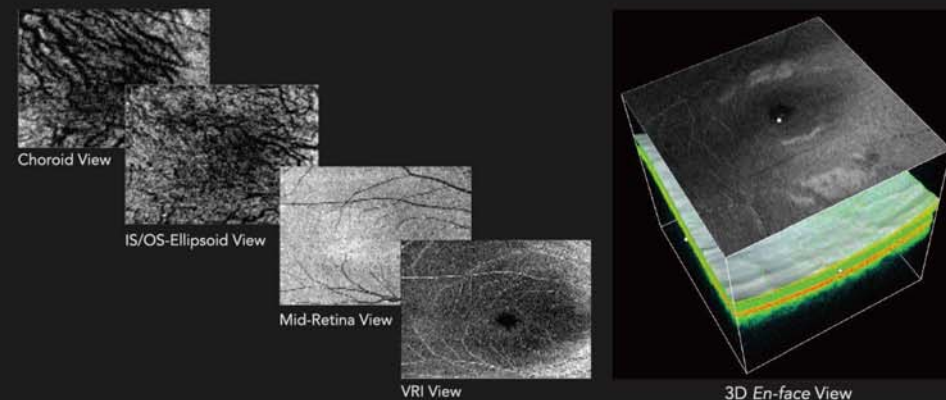
An intelligent OCT/LSO combined system with ultra fine image quality, comprehensive analysis function, remarkable user interface and reliable quality.



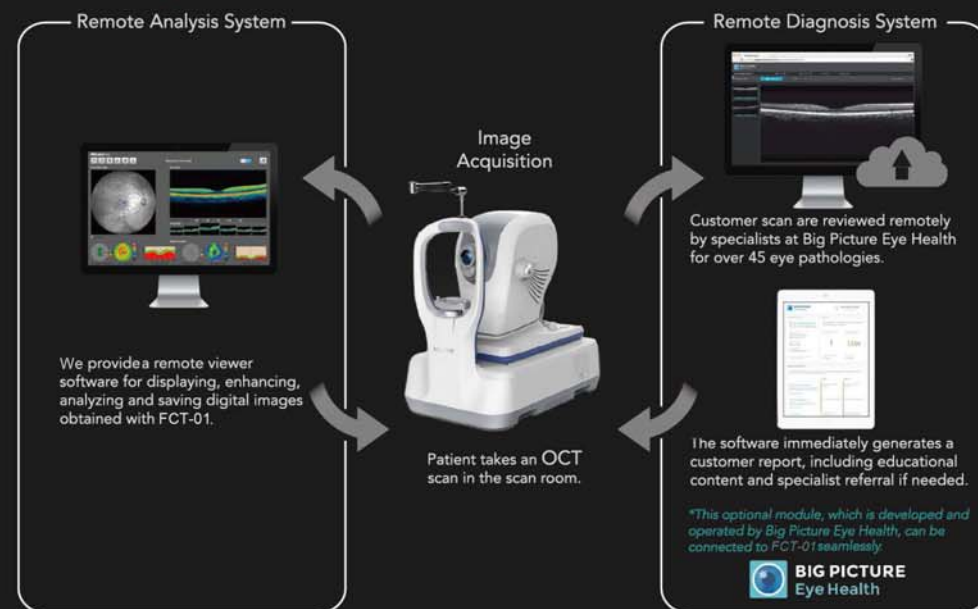
PERMIUM FUNCTIONS

En-Face Analysis

En-face OCT provides notable ability to precisely localize lesions within specific subretinal layers.



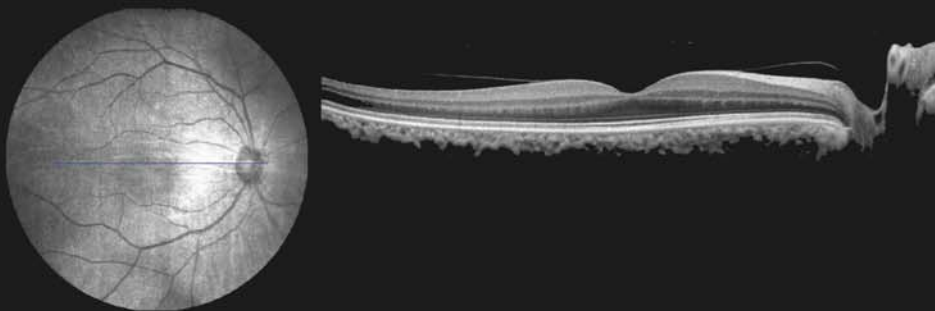
Network System



MACULA

Macular HD line

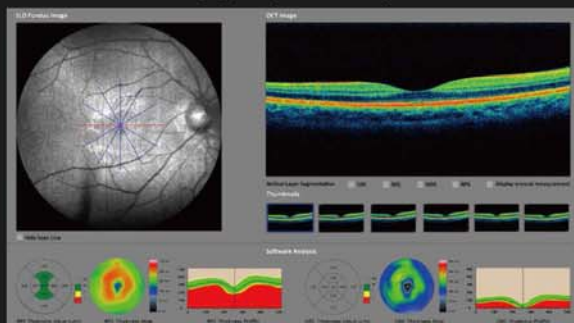
High definition OCT imaging reveals small lesions



* OCT scan length can be switched between 6 mm and 12 mm

Macular Six-line Radial

Having a glimpse of the retina with HD imaging and quick data analysis

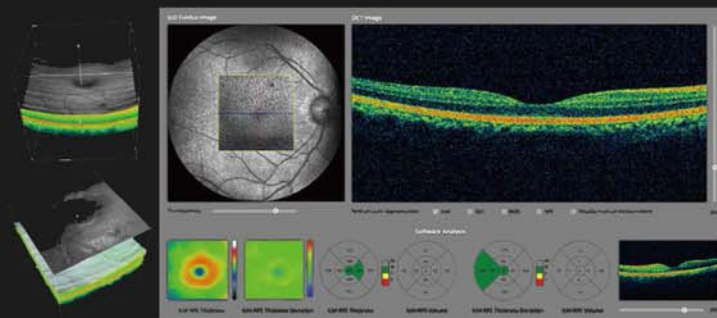


Software Analysis

- Retinal thickness analysis
- Ganglion cell analysis
- High definition OCT imaging with 5 images averaging

Macular Cube

A point-by-point assessment of retinal thickness with a 500 x 100 dense cube



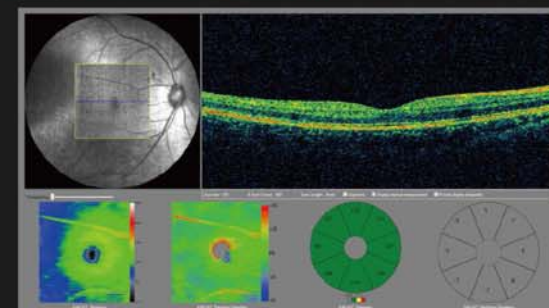
Software Analysis

- Retinal thickness analysis
- Progression analysis
- 3D view
- En-face analysis

GLAUCOMA

For comprehensive glaucoma analysis, FCT-01 offers two scan modes: glaucoma cube scan in macular area and glaucoma cube scan in disc area. Evenly distributed sampling rate with 200 x 200 A-scans provides reliable information for early glaucoma detection and management.

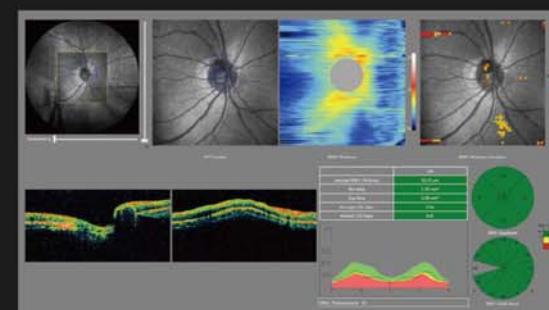
Glaucoma (Macular)



Software Analysis

- Ganglion cell analysis
- Progression analysis

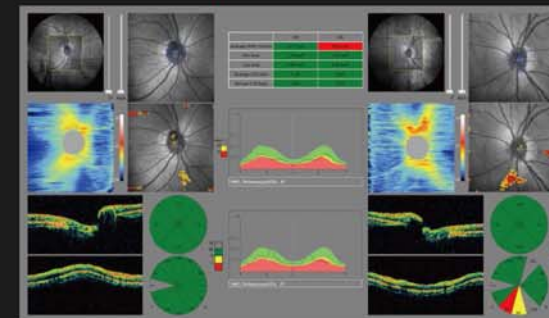
Glaucoma (Disc)



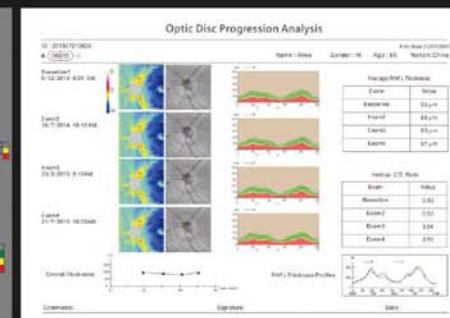
Software Analysis

- RNFL analysis
- Cup-disk analysis
- Calculation circle and circle scan tomogram
- Progression analysis
- OU comparative analysis

Informative Report

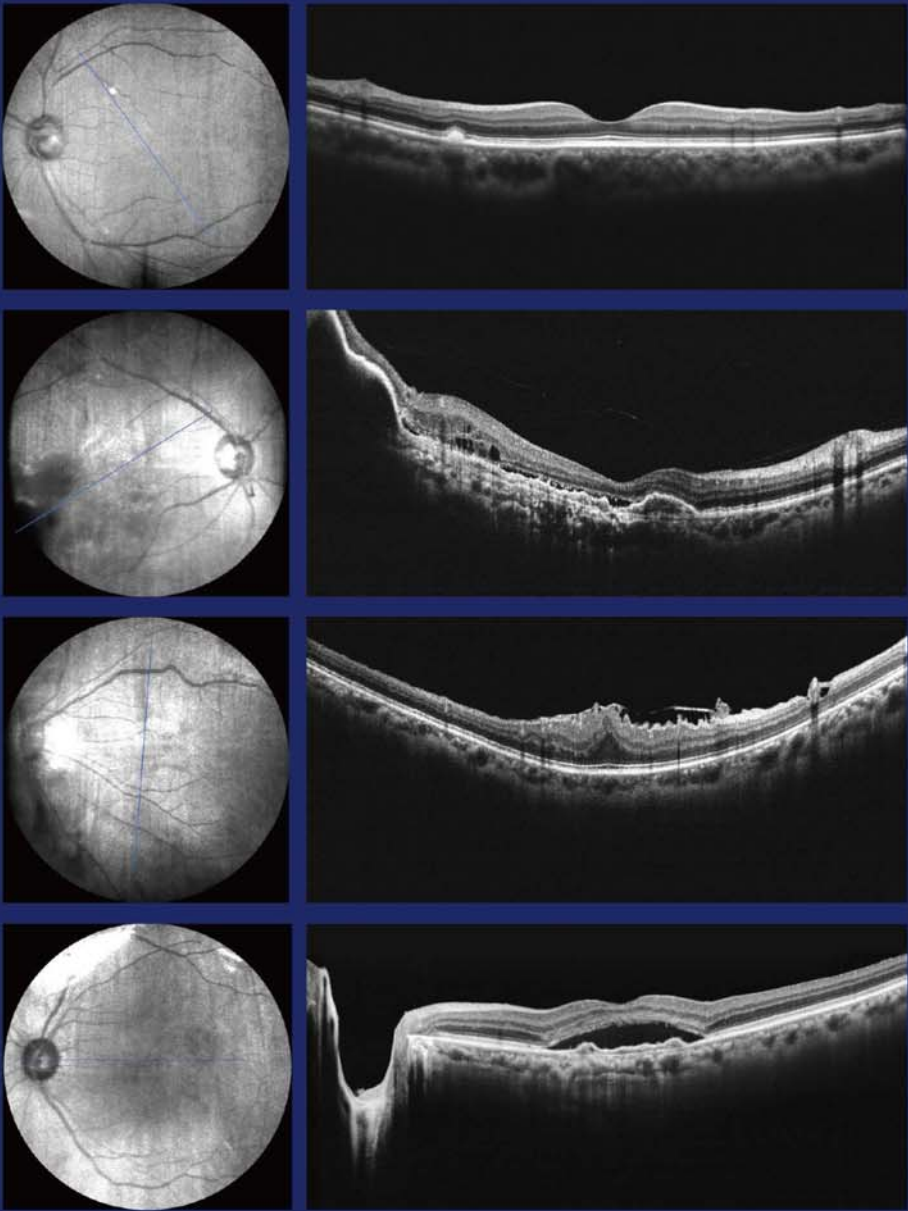


OU comparative analysis



Progression analysis report

IMAGE GALLERY

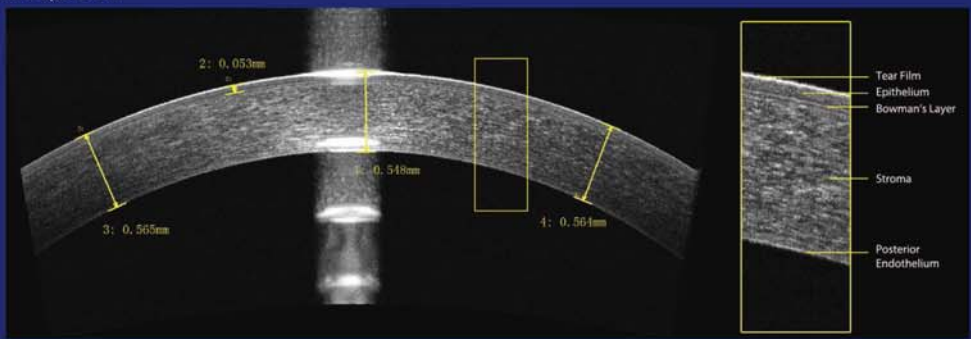


ANTERIOR SEGMENT



Anterior HD line

High-definition OCT imaging of the cornea enables localization of the Bowman's layer, the interface between corneal stroma and epithelium



Anterior Chamber Angle

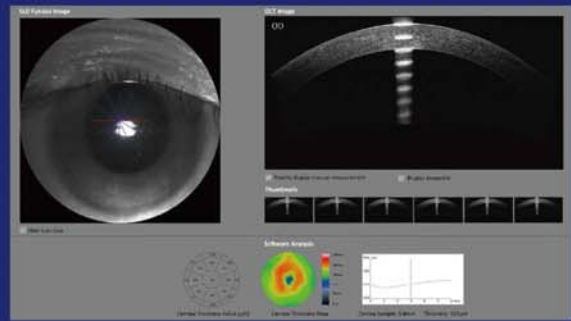


* Manual measurement is available



Anterior Six-line Radial

The anterior segment scanning through 6 radial lines of equal length can be used to measure the central corneal thickness



- Software Analysis
- Corneal pachymetry
 - Manual measurement

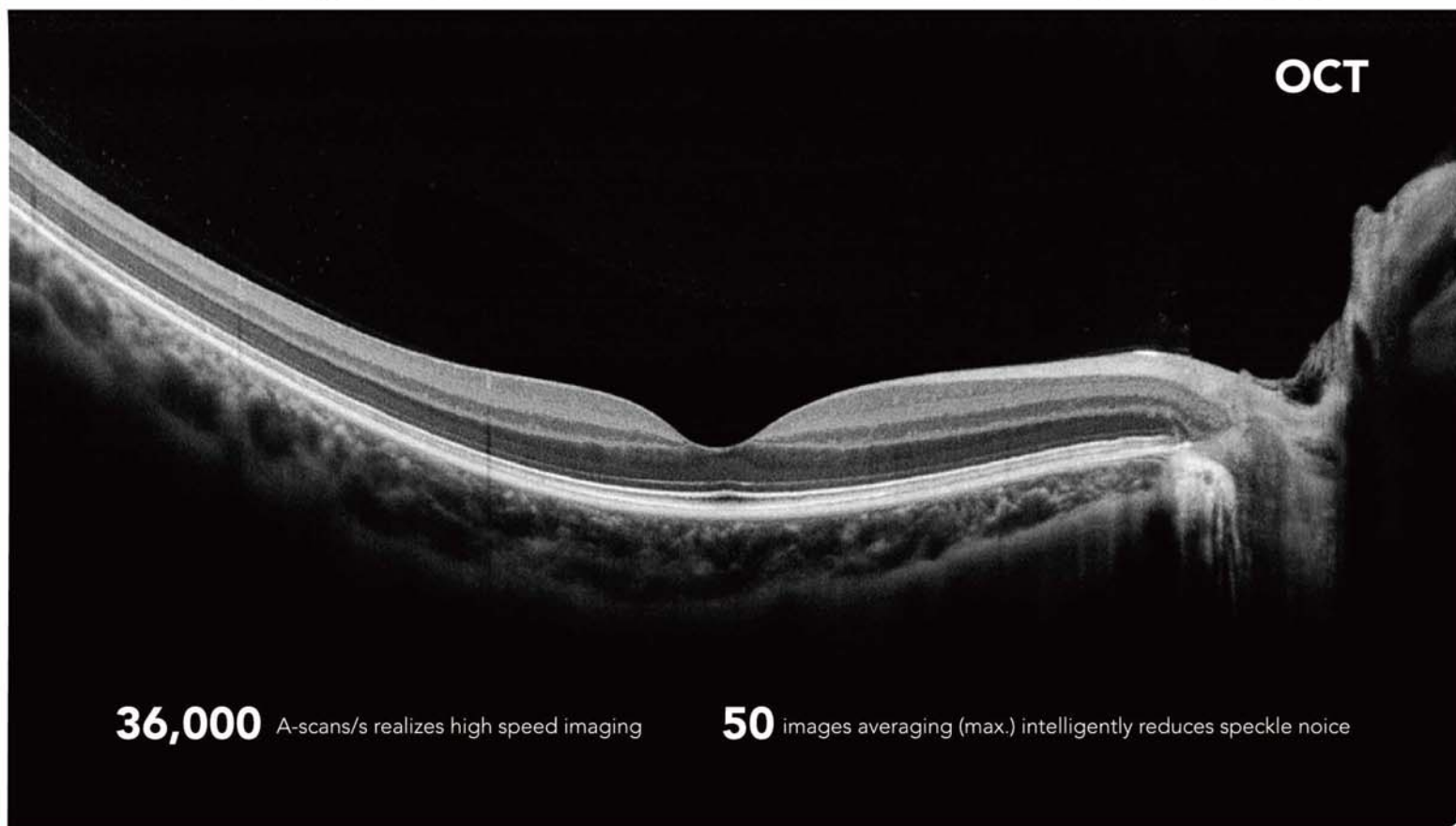
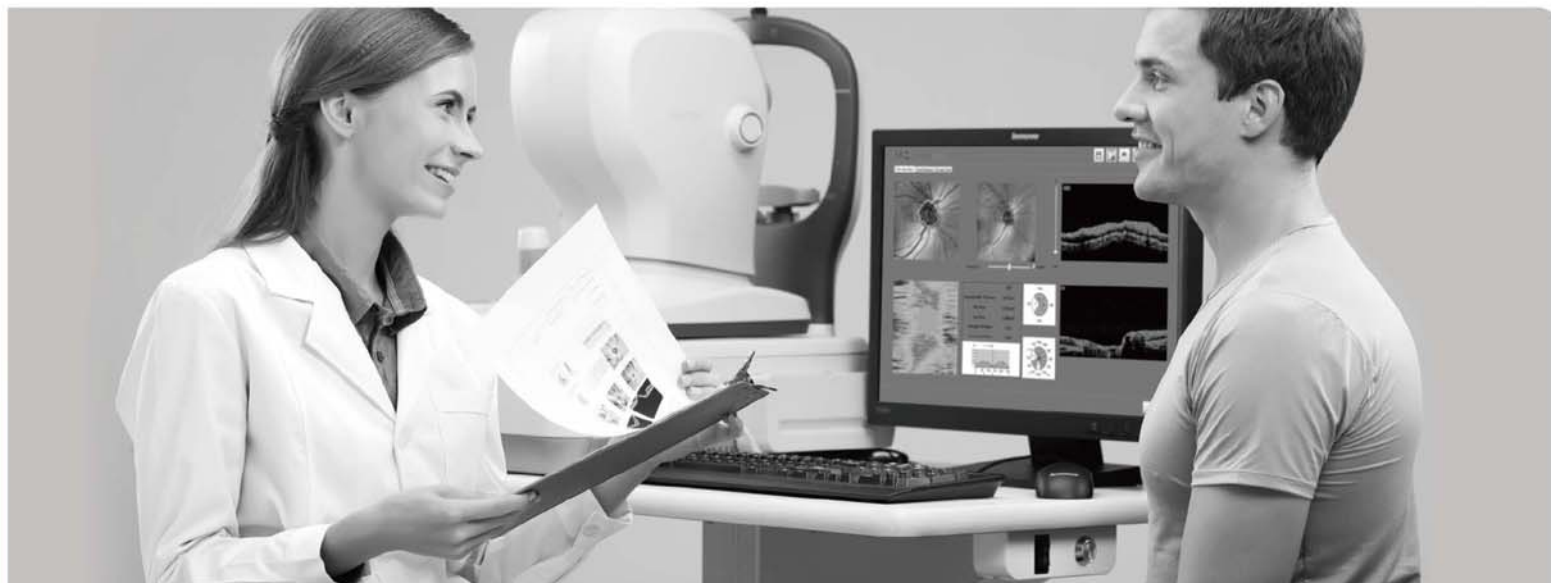
HIGH SPEED & HIGH QUALITY

LSO

Equipped with LSO (Line Scanning Ophthalmoscopy), FCT-01 provides simultaneously high quality fundus imaging, which is easy for physicians to localize the lesion.



Real-time widefield LSO image



36,000 A-scans/s realizes high speed imaging

50 images averaging (max.) intelligently reduces speckle noise