



MERCOFRAMES
OPTICAL CORP

OPTICAL COHERENCE TOMOGRAPHY

- All-in-one design with optional larger external monitor guarantees an installation-free experience. Plug the power cable and power on the system, then you are ready to go.
- Fully automated operation with minimum human intervention. Smart pupil alignment, advanced signal optimization assure quality OCT images independent of operators.
- The small footprint and all-in-one system fits in the smallest examination room. The flexible monitor locations allows various operator positions.
- Extremely easy to operate. Make for professionals without professional operators.
- High definition image and comprehensive analysis software.
- Subtle lesion will be precisely identified via high resolution image.
- with more than 4 scan mode on macular and optic part, the software creates a summary annalysis of macula retina, RNFL, ONH. Progress analysis for fallow-up examination is available.



SPECIFICATIONS

Methodology	spectral domain OCT
Axial resolution	≤ 6 um (in tissue)
Transverse resolution	≤ 20 (in tissue)
Scan depth	≥ 2.5mm (in air)
Scan range	6-12mm
Scan speed	≥ 24,000 A-scan/sec , up to 36,000 A-sean /sec
Scan mode	3D (Macular & Optic Disk),HD, Raster,Circle , Cross
Analysis mode	Up to 7 retinal layers segmentation, Macular analysis mode, RNFL & Optic Disk analysis mode , Glaucoma analysis mode and Progress analysis for follow-up examination.
Fundus image	OCT en face
Focus adjustment	-15D to +15D
Pupil diameter	≥3mm
OCT Light source	840nm SLD
Optical power	750um(at cornea)
Operation	13.3inch touch screen,optional external mouse or keyboard
Power supply	100-240V,50/60 HZ
Dimensions	497 x395x490mm
Weight	34kg



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