

CSM SW-7000 CORNEAL SPECULAR MICROSCOPE



CORNEAL SPECULAR MICROSCOPE



Fully automatic Fast measurement and analysis

Fully automatic working mode: Automatic pupil detection, automatic alignment, automatic shooting, automatic analysis. Concise user interface, one-click operation experience.





Wide field of view & multiple measuring points

0.25mm x 0.55mm wide field endothelial cell imaging.There are as many as 13 measuring points, including: central measuring point, 6 paraxial measuring points and 6 edge measuring points.







Precise focusing and high-speed imaging system

High-precision infrared focus module, the focal plane is precisely aligned with the inner surface of the cornea The 125-frame high-speed imaging system can continuously shoot multiple images and automatically filter the best images.

The flash time is reduced to less than 1 second, which improves patient comfort.





Rapid automatic analysis function

After shooting, the system will automatically complete image analysis within 2 seconds and provide all measurement parameters.







Friendly user interface and simple operation

10.4 inch high resolution LCD touchscreen. Retain traditional joystick to suit a variety of operators.



Manual analysis function

The analysis area can be selected independently, and the system will recalculate the main parameters according to the selected area.





Central corneal thickness measurement

The thickness of the central cornea is measured at the same time the image is taken. (It will be done automatically when the center measurement point is selected)

Support multiple data transmission protocols

Support DICOM3.0





Large-capacity database

Built-in high-performance main frame.

Up to 1TB storage capacity.

Multi functional case management system allows convenient and efficient operation of medical records.

SUCCP Ophthalmology Workstation			Accou	nt: Admin	Switch Stress	Settings 🕛	Shutdown
🕀 New 🗾 Edit	11 Delete	Please ente	r search criteria			Q	IIA 🗷
III PID	Name	Gender	Birthdate	DICOM id	Phone	Depar	tment
20201207000009	Mr Clive o'mally	Male	1953/03/28	PAT023			
20201207000008	Mrs Janet Edwards	Famale	1964/07/14	PAT022			
20201207000007	Mr John Rees	Male	1962/06/10	PAT021			
20201207000006	Mrs Wendy Clarke	Famale	1958/04/21	PAT020			
20201207000005	Mr Burt Ward	Male	1941/10/14	PAT019			
20201207000004	Mr Samual Davies	Male	1980/04/11	PAT018			
20201207000003	Miss Liz Evans	Famale	1971/07/19	PAT017			
20201207000002	Mrs Lucy Wood	Famale	1949/01/27	PAT016			
20201207000001	Mr John Brooks	Male	1957/06/18	PAT015			
<			1 2 3				>
Worklist +	Add				\oplus	Exam	Browse



Report printing

Support multiple printer types

SW-7000 PID Name Gender Exam date	:2020120 :Dr Willia :Male : 2020-12	SUCEP"		
Fix NUM CD AVG SD SEM CV MAX MIN 6A CCT	OD C 180 2400 417.00 133.6 9.96 32% 996.50 72.5 55% 616	OS C 179 2266 441.00 152.4 11.39 35% 1113.50 113.50 59% 591		
Tianjin Hospital				





4 display modes & 2 statistical graphs





Specification

Capturing method: non-contact					
Capturing range: 0.25mm x 0.55mm					
Capturing area: Center and 12 peripheral fixation points					
Working mode: Full-auto/Semi-auto					
Cornea thickness measurement range: $400 \mu m \sim 750 \mu m$					
Cornea thickness measurement accuracy:					
±10μm (< 600μm) ; ±25μm (> 600μm)					
Analysis parameter: NUM (Number of cells)					
CD (Cell density)					
AVG (Average area)					
SD (Standard deviation of area)					
CV (Coefficient of Variation)					
MAX (Maximum area)					
MIN (Minimum area)					
6A (Percentage of hexagonal cells)					
Histogram: Area: Polymegathism (Distribution by areas)					
Apex: Plemorphism (Distribution by shapes)					
Display: 10.4" colored touchscreen (1080P)					
Printing: Able to connect to most regular printing devices					
Data output: USB x 2; LAN x 1; support DICOM 3.0					
Dimensions and weight: 315 x 535 x 465mm; approx. 23Kg					
Power source: 100V AC ~ 240V AC; 50/60Hz; 100VA					



SUOEP®

