

SUOER

Specular Microscope SW-7000



SUOER Specular Microscope is a precision optical instrument that integrates autofocus shooting system, illumination imaging system, image processing system, and auxiliary system. Non-contact, fully automatic focusing during measurement, and automatically capture corneal endothelial cells and measures the thickness of the cornea. At the same time, the instrument possesses a highly efficient and rapid corneal endothelial cell image analysis software, which analyzes the captured images for detailed examination of the corneal condition.

Technical data

Optical Magnification	165X±10%
Photography Slit Width	0.25mm±0.025mm
Cornea Thickness	±0.025mm(>0.6mm),
Measurement Accuracy	±0.015mm(≤0.6mm)
Capture Mode	Auto/Semi-Auto/Manual
Capturing Positions	The center and 6 peripheral points
Working Voltage	AC220V
Power	100VA
Dimension	360mm*380mm*450mm
Weight	25Kg

Features

Focus by Double CCD, it can observe the eyeball and endothelial at the same time.	
Non-contact, Fast measuring system, More security and convenient.	
The corneal thickness value display	
Integrated multiple analysis and measurement tools	
Capture Mode	Auto/Semi-Auto/Manual
3D auto focus	
Color LCD Touch Screen	
7 Capturing positions	The center and 6 peripheral points (2, 4, 6, 8, 10, 12-o'clock positions).
Video printer is optional	
Workstation is optional	
USB Data Output	

The function of software

Analysis values	Number of cells, CD, SD, CV, AVG/Max/Min
Auto/Manual Repair the Cell Edge, Coloring, Magnifying, Automatic Analysis functions, etc	
Classification statistic	According to the cell area and cell edges number

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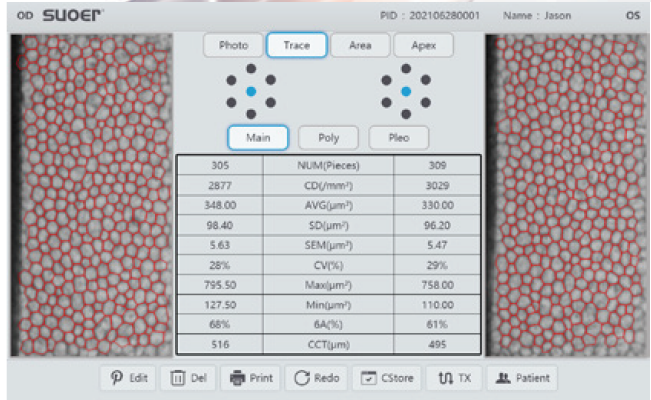
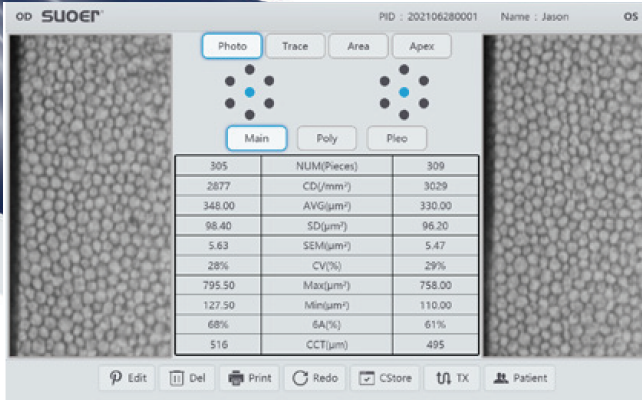
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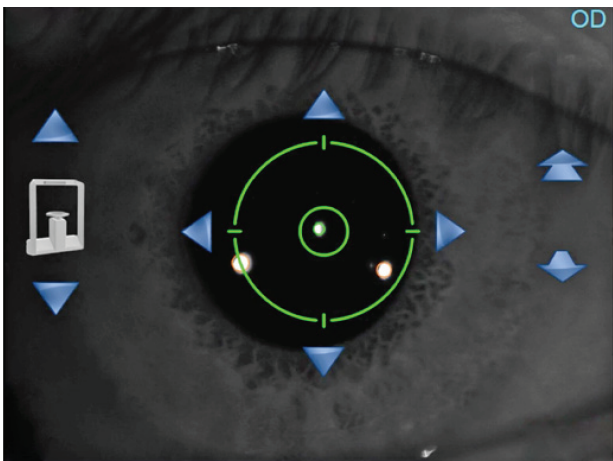
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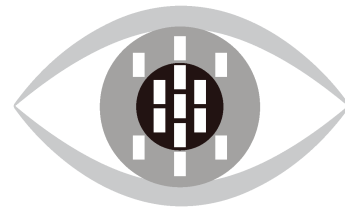
4 Display Modes & 2 Statistical Graphs



Precise Focusing & High-speed Imaging System



Wide Field of View & Multiple Measuring Points



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