

SUOER

Specular Microscope SW-7000



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Europe & Middle East Representation



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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	0.27mm*0.54mm
Cornea Thickness Measurement Accuracy	0.4mm - 0.75mm ± 0.01mm
Capture Mode	Auto/Semi-Auto/Manual
Capturing Positions	The center and 6 peripheral points (2, 4, 6, 8, 10, 12-o'clock positions)
Working Voltage	AC220V
Power	100VA
Dimension	530mm*300mm*460mm
Weight	23Kg

The function of software

Analysis Method	L-COUNT
Analysis Parameters	Number of cells, CD, SD, CV, AVG/Max/Min, 6A, SEM, Shape Factor
Histogram	Area (Polymegathism) Apex (Pleomorphism)
Additional Functions	Auto/Manual Repair the Cell Edge, Coloring, Magnifying, Automatic Analysis functions, etc
Classification statistic	According to the cell area and cell edges number
SUOER® Ophthalmology Workstation	

Features

Focus Method	Focus by Double CCD 3D Auto Focus
View Range	Observe the eyeball and endothelial at the same time
Measuring Method	Non-contact
System Advantages	Fast measuring system More security and convenience
Additional Data	The corneal thickness value display Integrated multiple analysis and measurement tools
Capture Mode	Auto/Semi-Auto/Manual
Display	10.1" FHD (1080p) LCD Color Touch Screen
Data Output	USB-Ax2, WiFi/LAN, Bluetooth



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