

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

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

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	