



# ESHE-7000

Corneal Endothelial Cell  
Counter / Specular Microscope



OPHTHALMOLOGY / ENT



# ESHE-7000

## Corneal Endothelial Cell Counter / Specular Microscope

### Characteristics

Precision optical, mechanical and electrical integration instruments, integration of the three-dimensional motion system, auto-focus shooting control system, optical light imaging system, image display processing systems and auxiliary systems, using non-contact mode, you can make a quick auto-calibration, automatic shooting of corneal endothelial cell images and measure the thickness of the cornea, meanwhile, embedded in a rapid and efficient functional software for analysis of corneal endothelial cell images, can make a detailed analysis of the captured images in a timely manner, so as to give help and support to the quick check and analysis of cornea status

### Main performance index

On-screen photography magnification:  $165X \pm 10\%$ ;  
 Photography fissure width:  $0.25\text{mm} \pm 0.025\text{mm}$ ;  
 Accuracy of corneal thickness measurement:  
 $\pm 0.025\text{mm}$  ( $> 0.6\text{mm}$ ),  $\pm 0.01\text{mm}$  ( $\leq 0.6\text{mm}$ );  
 Acquisition modes: automatic / semi-automatic / manual  
 Shooting measuring point: center of the cornea, nasal, temporal side, upper side and lower side of the other seven solid point of view  
 Weight: 25Kg  
 Size:  $360 \times 380 \times 450\text{mm}$

### Features

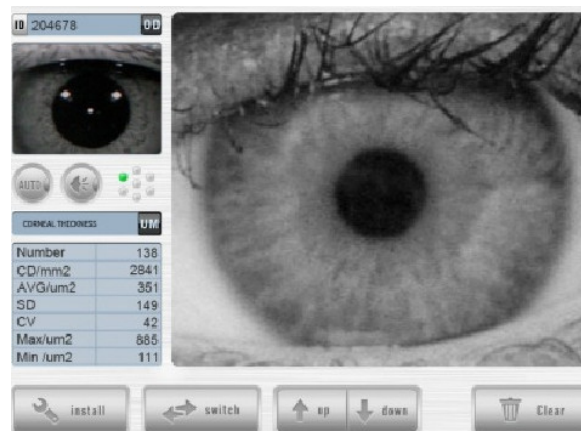
Dual CCD focus, you can also observe the eye and endothelial  
 Non-contact measurement system to make rapid measurements more secure, convenient, simultaneous display of corneal thickness  
 Built-in workstations, integrating multiple analysis and measurement tools  
 Provides automatic / semi-automatic / manual image acquisition mode  
 3D AF  
 Color LCD display, touch screen input  
 7:00 fixation standard design available corneal center, nasal, temporal side, upper side and lower side of the other image  
 Support for external video duplicator  
 Supports USB data export functions

### Software features

Can display the number of endothelial density, standard deviation, coefficient of variation, average / maximum / minimum  
 Crochet automatic, manual Crochet, coloring, amplification, automatic analysis and other functions  
 According to cell size and cell number of sides on the statistical classification of cells



Cod. **ESHE-7000**



ESSE3 srl, Via Garibaldi 30  
 14022 Castelnuovo D.B. (AT)  
 Tel +39 011 99 27 706  
 Fax +39 011 99 27 506  
 e-mail [esse3@chierinet.it](mailto:esse3@chierinet.it)  
 web: [www.esse3-medical.com](http://www.esse3-medical.com)

