



# Advanced CEM-530 Software

delivering advanced capabilities for greater efficiency and in-depth analysis.

## Improved Measurement Time

The CEM-530 with new advanced software and enhanced image capture system reduces image acquisition time. Upgrades includes an automated function to optimize image capture such as changing gain and intensity of LED illumination as required. These functions are especially versatile for measuring eyes prone to reflections such as pseudophakic eyes.



After image capture, the verification of the captured images can be bypassed by changing a parameter setting at the operators discretion. This utility reduces overall patient chair time.

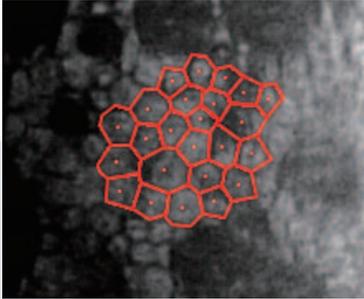


## Advanced Manual Analysis Functions

Two new methods, center point and corner point, have been added to the manual analysis function. These additions provide the clinician with three manual analysis functions.

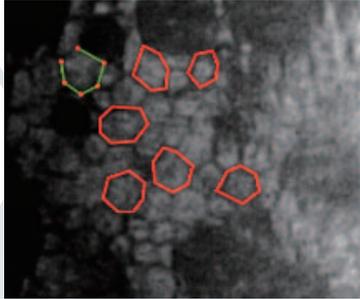
### Center point

Select the approximate center of a cell. The cells are detected based on the surrounding points. This method is effective for areas where groups of cells are clumped together.



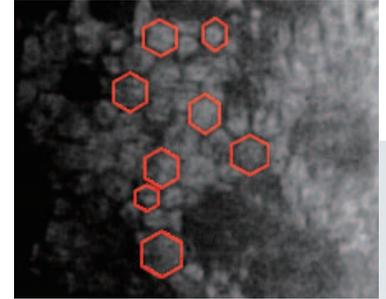
### Corner point

Trace the outlines of the cells to be analyzed by selecting the corners of each cell. This method is suitable for detailed identification of the size and dimension of isolated cells.

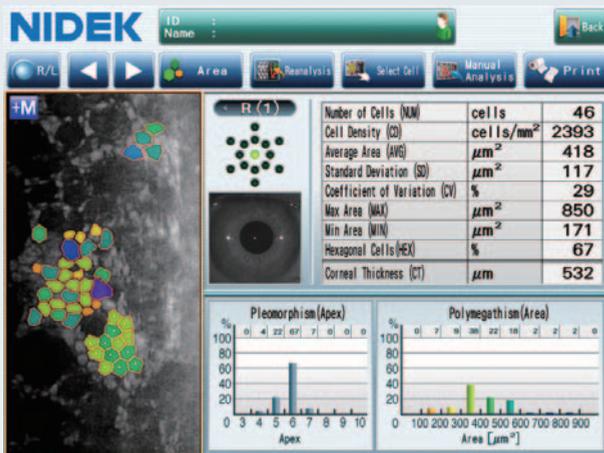


### Pattern select

Select a hexagonal reference pattern that is similar to the cell size and drag it onto the cell to be analyzed. This method is effective for rough identification of the size and dimension of the cells.



## Combination of Auto and Manual Analysis



All three manual analysis methods can be performed on the same image and also on auto-analyzed images. The versatility of automated and manual analysis allows analysis of the range of pathology in a comprehensive practice.

Specifications may vary depending on circumstances in each country.  
Specifications and design are subject to change without notice.

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