

CELLCHEK[®] 20

The All New, *Blazing Fast*,
Fully-Automated Specular Microscope



THE GOLD STANDARD, REDEFINED.

Faster, Easier Endothelial Imaging

Introducing the all new CellChek® 20

CellChek 20 is Konan Medical's new, non-contact specular microscope that can capture and analyze bilateral exams with one touch in *under 40 seconds*¹.

The new, easy-to-use "Simple Mode" enables one-touch, fully-automated endothelial image capture with analysis, reporting, and exporting of data.

The completely reimagined CellChek 20 is noticeably improved and simplified; *remove the device from the box, connect to power, turn it on, and start imaging.*

Konan's gold standard *Center Method™* and *Flex Center Method™* are now *fully-automated*. Automated Center Method displays cell center counted densities and morphometric indices of both eyes *immediately after* images are captured - *all in under 40 seconds*.



Process bilateral exams with one touch in under 40 seconds.



The flexible 10.6" wide touch screen can be turned and tilted 180°, providing better ergonomics, space savings, and flexibility with technician use from any of the four sides.

CAPTURE, ANALYZE, & OUTPUT EXAMS FOR BOTH EYES, WITH JUST ONE TOUCH.

Key New Features

With CellChek 20 you can capture, analyze and print/export a bilateral exam with just one touch. The new, easy-to-use “Simple Mode” makes running a bilateral exam faster and easier than ever before. CellChek 20 reduces testing time significantly, allowing you to test patients quickly and efficiently.

One-Touch Imaging

Fast, one-touch imaging of *both eyes* including positioning, alignment, imaging capture, analysis and print-out/exporting data.

25% Higher Resolution

Improved resolution allows better visualization of single cells and cell walls. Superb cell border tracing and gutta exclusion.

Optimized Touch Functions

Easy touch-friendly interface makes capturing, analysis, and reporting fast and efficient. Also features pinch-to-zoom image adjustment.

Auto-Capture/Retry

This improved technology allows for successful imaging of difficult or challenging cases.

Automated Trends Analysis

Konan exclusive image location enables relevant visit-to-visit trend analysis to track patient progression.

> 30% Larger Image Area

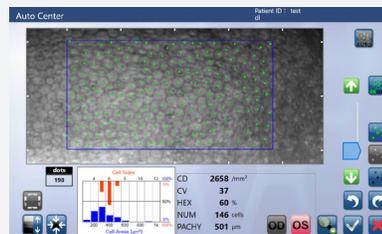
The field of view has been increased to 0.25mm x 0.55mm, enabling better corneal visualization and more cells to be analyzed.

Fully-Automated Analysis

CellChek 20 offers *fully-automated*: Center Method; Flex-Center Method; and Auto-Trace analysis. These analysis methods provide one-touch, high precision results *FAST*.

These fully-automated analysis methods are offered alongside the traditional manual Center and Flex-Center analysis methods, offering a total of 6 analysis options.

Konan's Center Method is mentioned in FDA panel minutes as being the “gold standard”, and is used by virtually every professional reading center.

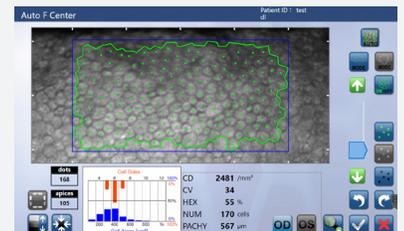


Auto-Center Method

With the Auto-Center Method, the center of each individual, visible cell is automatically marked. Guttae and other dark regions are automatically excluded.

Auto Flex-Center Method

The Auto Flex-Center Method is an additional automated tool for analyzing images of advanced stage diseased corneas in which only a very few cells are visible.



Specifications

| | |
|--------------------------|--|
| Product name | Konan Specular Microscope XX |
| Model no. | CellChek 20-1 CellChek 20-1 PLUS |
| Type | Class I, Type B |
| Photographic field | 0.25 x 0.55mm |
| Photographic capability | Automatic |
| Photographic location | 20-1: Center, 6 points in the periphery (12, 2, 4, 6, 8, 10 o' clock) 20-1 PLUS: Center, 6 points in the periphery (12, 2, 4, 6, 8, 10 o' clock), 6 points in the outer periphery (2, 3, 4, 8, 9, 10 o' clock) |
| Central cornea thickness | Measurable |
| Illumination | LED |
| Analytical method | Auto Center Method / Auto F Center Method / Auto Trace Method / Center Method / F Center Method / Trace Method |
| Analysis Data | Cell density (mm ²), Coefficient of Variation, Standard Deviation, Percentage of hexagonal cells, Numbers of calculated cells, Average cell area (μm ²), Maximum cell area (μm ²), Minimum cell area (μm ²), Distribution of number of sides histogram (%), Distribution of area histogram (%) |
| Integrated monitor | 10.1" Capacitive touch panel with 180 degrees flexible horizontal & vertical movement capability. |
| External interface | EMR connection / DICOM capability |
| External ports | USB3.0 x 4, RJ45 |
| Power | 100-240 VAC, 50/60 Hz |

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Interested in learning more?



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1. Based on benchmark data.