

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 guttae 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

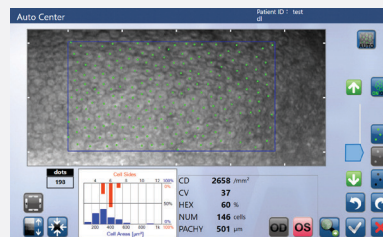
The field of view has been increased to 0.25mm x 0.55mm, enabling better corneal visualization and more cells to be analyzed.

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.

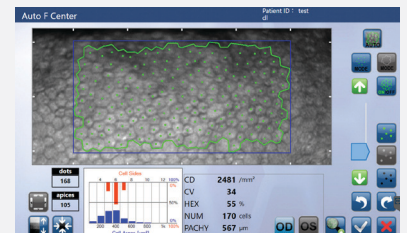


Auto-Center Method

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

Type	Class I, Type B
Photographic field	0.25 x 0.55mm
Photographic capability	Automatic Manual option available
Pachymeter	Yes
Flash	LED
Analytical methods	New Fully-Automated: Center Method, Flex-Center Method Gold Standard Semi-Automated: Center Method, Flex-Center Method
Cellular Morphology Analysis	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 (%)
Output function	USB3.0 x 4, LAN, Bluetooth (optional), Wireless LAN (optional)
Integrated monitor	10.6" Capacitive touch panel with a 180 degrees flexible horizontal & vertical movement capability. Operator monitor can be used on either side, front and back to maximize usefulness in tight spaces.
Connections	EMR connection / DICOM capability (optional)
Input voltage	100-240 VAC, 50/60 Hz
Power consumption	100 VA
Dimensions	12.2 (W) X 18.1 (D) X 17.7 (H) in (with the monitor at the rear-side) 310 (W) X 459 (D) X 451 (H) mm (with the monitor at the rear-side)
Weight	44 lbs/20 kg
Regulatory	FDA 510(k) #K191558

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Interested in learning more?

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1. Based on benchmark data.