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),
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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CELLCHEK® 20

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

Interested in learning more?

+1 (949) 576-2200

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Sales@KonanMedical.com

KonanMedical.com

1. Based on benchmark data..

FRM-243_B

KONAN MEDICAL

Specular Microscopy

THE GOLD STANDARD REDEFINED.

*Process bilateral exams with one touch in **under 40 seconds.***

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.**

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.

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

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

25% Higher Resolution
Improved resolution allows better visualization of single cells and cell walls. Superb cell border tracing and gutta exclusion.

Auto-Capture/Retry
This improved technology allows for successful imaging of difficult or challenging cases.

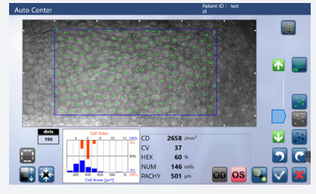
> 30% Larger Image Area
The field of view has been increased to 0.25mm x 0.55mm, enabling better corneal visualization and more cells to be analyzed.

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.