Specifications

Type	Class I , Type B equipment
Photographic field	0.25 × 0.55mm
Photographic capability	Automatic
Photographic location	Center , Peripheral locations (0 , 45 , 135 , 180 , 225 , 315 degrees.)
Central corneal thickness	Measurable
Illumination	LED
Analyzing method	Auto Center Method / Auto F Center Method / Auto Trace Method / Center Method / F Center Method / Trace Method
Analysis data	Cell density (mm²) , Coefficient of variation, Standard deviation, Percent of Hexagonality, Number of analyzed cells, Average cell area (μm²) , Maximum cell area (μm²) , Minimum cell area (μm²) , 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 Type A , RJ-45
Power	AC100-240V , 50 / 60Hz
Power consumption	100VA
Dimensions	310 (W) × 459 (D) × 451 (H) mm (with the monitor at the rear-side)
Weight	19.6kg

※Specifications subject to change without notice.

Product Name : Konan Specular Microscope XX

Manufacturer
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KONAN MEDICAL

Specular
Microscopy &
Optical Pachymetry

CELLCHEK® 20

CellChek 20-1

【Product Name : Konan Specular Microscope XX】

Equipped with "Auto Center Method" and "Auto F Center Method" as well as "Auto Trace Method" as standard!

Image Capturing

Enhanced Image Capturing Capability

By comparison with our conventional model*, the capturing time shortened by approx. 11%, the image field widened by approx. 43% to 0.25mm x 0.55mm and the resolution improved by approx. 25%. Approx. 35% shorter booting time enables even faster exam. **Compared with CellChekSL*

Automated Capturing Retry Feature

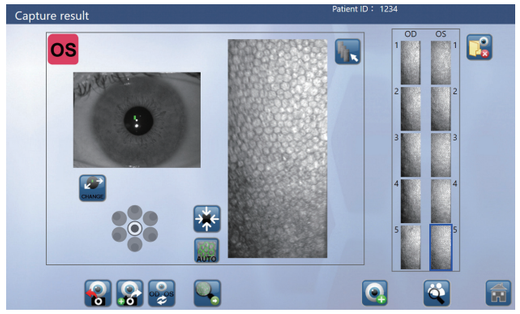
CellChek 20-1 automatically retries the preset number of the captures if it is unable to capture cell images due to blinking or eyelashes.

Simultaneous Non-Contact Pachymetry

Central corneal thickness can be measured simultaneously.

Captured Location Confirmation

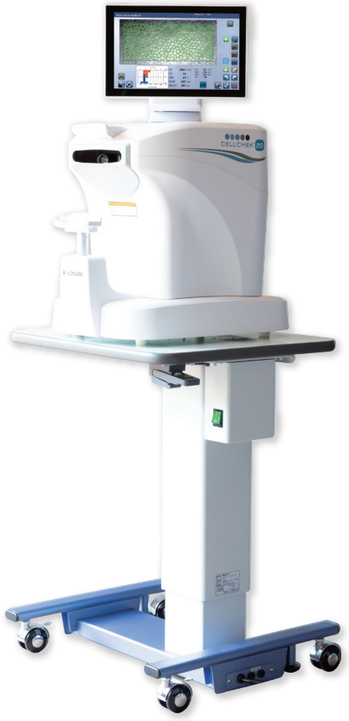
The location captured can be confirmed on the anterior segment image.
It can be used for pre and post surgery assessment.



Sample screen shot of the normal capturing mode

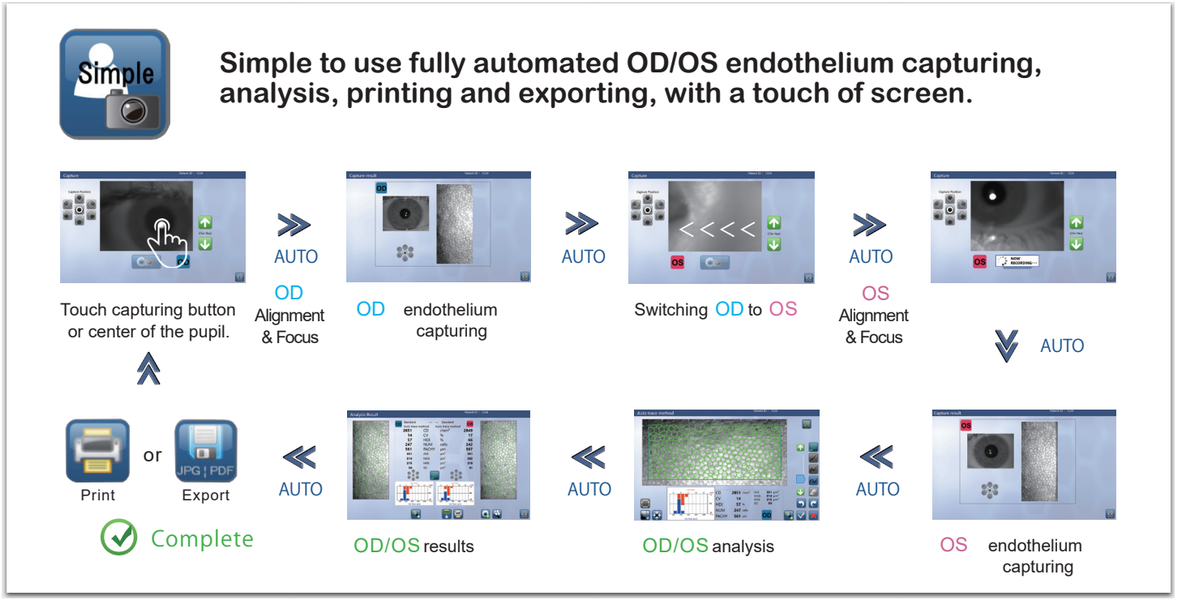
One central and 6 peripheral locations can be captured.

In normal capturing mode, multiple corneal endothelial cell images can be captured and analyzed in a single examination.



Manual Capturing

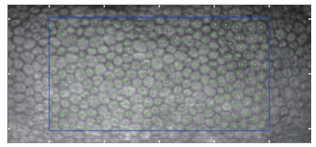
It is useful for abnormal corneas that require extra effort for imaging.



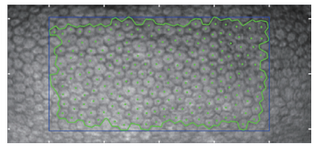
Analysis

Auto Center Method, Auto F Center Method, Auto Trace Method, Center Method, F Center Method, Trace Method

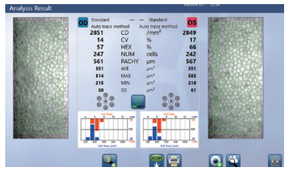
The "Center Method" which has been widely used in clinical practice and clinical trials around the world for many years, and the "F Center Method", are automated. "Auto Center Method" and "Auto F Center Method" are available.The required analysis results can be obtained with a touch of the screen. "Auto Trace Method" is also available, and can be used in different ways depending on the situation.



Sample image of Auto Center Method



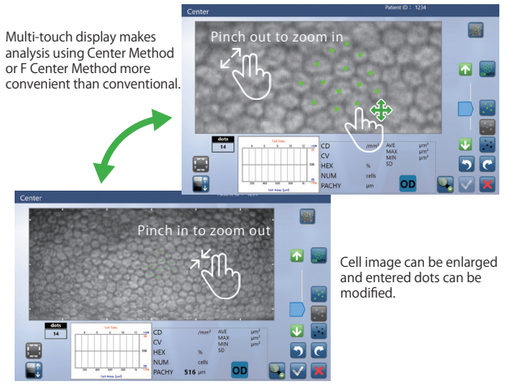
Sample image of Auto F Center Method



Analysis result screen

Multi-Touch!

Multi-touch display makes analysis using Center Method or F Center Method more convenient than conventional.



Cell image can be enlarged and entered dots can be modified.

Output & Data Management

Output

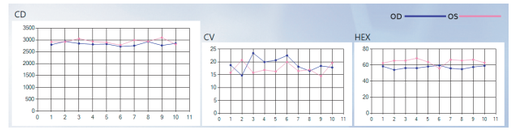
Compatible with various types of external printers. DICOM capability.

Filing Features

Captured image and analysis data are automatically saved. Data retrieval can be performed as needed. Data transfer from our conventional model is possible.

Patient Progression

The patient progression of patient data can be displayed.



Sample image of the patient progression

Installation Layout

Flexible Monitor Direction

The large 10.1-inch touch monitor can be freely moved to various orientations. It can be moved in accordance with the operating environment to provide support to the examinee from various angles.

The main unit is compact, lightweight, and has no moving parts during measurement, allowing installation layout according to the space requirements.

※The expressions in this brochure are based on comparison with our previous product, CellChek SL.