

Specifications

Corneal endothelium photography

Photography magnification	254x (on the control panel)
Photography range	0.25x0.55mm
Resolving power	More than 125 line/mm
Fixation target	Central and peripheral

Corneal thickness measurement

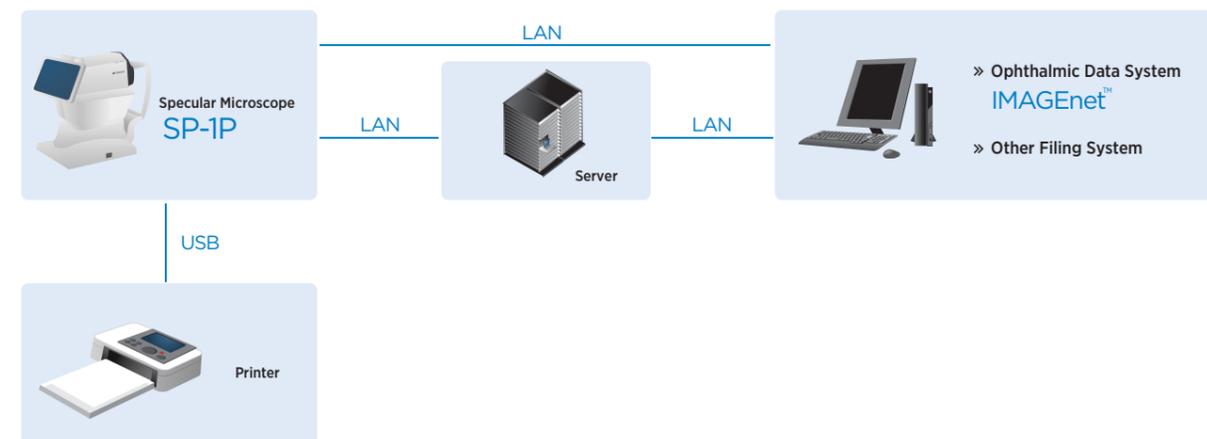
Measurement range	0.400-0.750mm Display unit: 0.001mm step display
-------------------	---

Other Specifications

Dimensions	286-468mm(W) x 445-592mm(D) x 486-681mm(H)	
Weight	17Kg	
Power Supply	Source voltage	100-240V AC, 50-60Hz
	Power input	70-120VA

* Corneal thickness is measured only when taking a photograph using the central fixation target.

System Chart



* Not available for sale in the United States.

* A report can be also printed out from the recommended digital video printer as an option. For detail system composition, please contact your nearest Topcon distributors.

* Subject to change in design and/or specifications without advanced notice.

IMPORTANT In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.



TOPCON CORPORATION



TOPCON CORPORATION



TOPCON CORPORATION

TOPCON CORPORATION

75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, Japan. Phone: 3-3558-2523/2522 Fax: 3-3965-6898 www.topcon.co.jp

TOPCON MEDICAL SYSTEMS, INC.
111 Bauer Drive, Oakland, NJ 07436, U.S.A.
Phone: +1-201-599-5100 Fax: +1-201-599-5250 www.topconmedical.com

TOPCON MEDICAL LASER SYSTEMS, INC.
3130 Coronado Drive Santa Clara, California 95054 USA
Phone: +1-408-235-8200 Phone: (USA only) +1-888-760-8657
Fax: +1-408-235-8259 E-mail: tmlsinfo@topcon.com

TOPCON CANADA INC.
110 Provencher Avenue, Boisbriand, QC J7G 1N1 CANADA
Phone: +1-450-430-7771 Fax: +1-450-430-6457 www.topcon.ca

TOPCON EUROPE MEDICAL B.V.
Essebaan 11; 2908 LJ Capelle a/d IJssel; P.O.Box 145;
2900 AC Capelle a/d IJssel; THE NETHERLANDS
Phone: +31 (0)10-4585077 Fax: +31 (0)10-4585045
E-mail: medical@topcon.nl; www.topcon.eu

ITALY OFFICE
Viale dell'Industria 60; 20037 Paderno Dugnano; (Milano), ITALY
Phone: +39-02-9186671 Fax: +39-02-91081091 E-mail: topconitaly@tiscali.it; www.topcon.it

DANMARK OFFICE
Præstemarkvej 25; 4000 Roskilde, DANMARK
Phone: +45-46-327500 Fax: +45-46-327555
E-mail: topcon@topcondanmark.dk www.topcondanmark.dk

IRELAND OFFICE
Unit 276, Blanchardstown; Corporate Park 2 Ballycoolin Dublin 15, IRELAND
Phone: +353-18975900 Fax: +353-18293915 E-mail: medical@topcon.ie; www.topcon.ie

TOPCON S.A.R.L.

BAT A1 3 route de la révolte 93206 SAINT DENIS CEDEX
Tel : +33 1 49 21 23 23 Fax : +33 1 49 21 23 24 E-mail: topcon@topcon.fr; www.topcon.fr

TOPCON DEUTSCHLAND G.m.b.H.

Hanns-Martin-Schleyer Strasse 41; D-47877 Willich, GERMANY
Phone: +49 (0)2154-8850 Fax: +49 (0)2154-885177 E-mail: med@topcon.de; www.topcon.de

TOPCON SCANDINAVIA A.B.

Neogatan 2, P.O. Box 25; 43151 Mölndal, SWEDEN
Phone: +46 (0)31-7109200 Fax: +46 (0)31-7109249 E-mail: medical@topcon.se; www.topcon.se

TOPCON ESPAÑA S.A.

HEAD OFFICE
Frederic Mompou 4 Esc. A Bajos 3, 08960 Sant Just Desvern Barcelona, SPAIN
Phone: +34-93-4734057 Fax: +34-93-4733932 E-mail: medica@topcon.es; www.topcon.es

TOPCON (GREAT BRITAIN) LTD.

Topcon House, Kennet Side, Bone Lane, Newbury, Berkshire RG14 5PX United Kingdom
Phone: +44 (0)1635-551120 Fax: +44 (0)1635-551170 E-mail: medical@topcon.co.uk; www.topcon.co.uk

TOPCON POLSKA Sp. z o. o.

ul. Warszawska 23; 42-470 Siewierz, POLAND
Phone: +48 (0)32-6705045 Fax: +48 (0)32-6713405 www.topcon-polska.pl

TOPCON SINGAPORE MEDICAL PTE. LTD.

1 JALAN KILANG TIMOR #09-01 PACIFIC TECH CENTRE SINGAPORE 159303
Phone: +65-66720606 Fax: +65-67736150 E-mail: medical_sales@topcon.com.sg www.topcon.com.sg

TOPCON INSTRUMENTS (MALAYSIA) SDN.BHD.

No. D1, (Ground Floor), Jalan Excella 2, Off Jalan Ampang Putra,
Taman Ampang Hilir, 55100 Kuala Lumpur, MALAYSIA
Phone: +60 (0)3-42709866 Fax: +60 (0)3-42709766

TOPCON INSTRUMENTS (THAILAND) CO.,LTD.

771/62 Sinsathorn Tower, 37th Floor, Kungthonburi Rd., Klongtsonai,
Klongsarn, Bangkok 10600, THAILAND
Phone: +66 (0)2-440-1152-7 Fax: +66 (0)2-440-1158

TOPCON CORPORATION BEIJING OFFICE

Block No.9, Kangding Street Beijing Economic-Technological Development Area,
Beijing, 100176, CHINA
Phone: +86 (0)10-6780-2799 Fax: +86 (0)10-6780-2790

TOPCON CORPORATION SHANGHAI OFFICE

14L Huamin Empire Plaza, No.726, Yan-an Xi Road,
Shanghai, 200050, CHINA
Phone: +86 (0)21-5238-7722 Fax: +86 (0)21-5237-0761

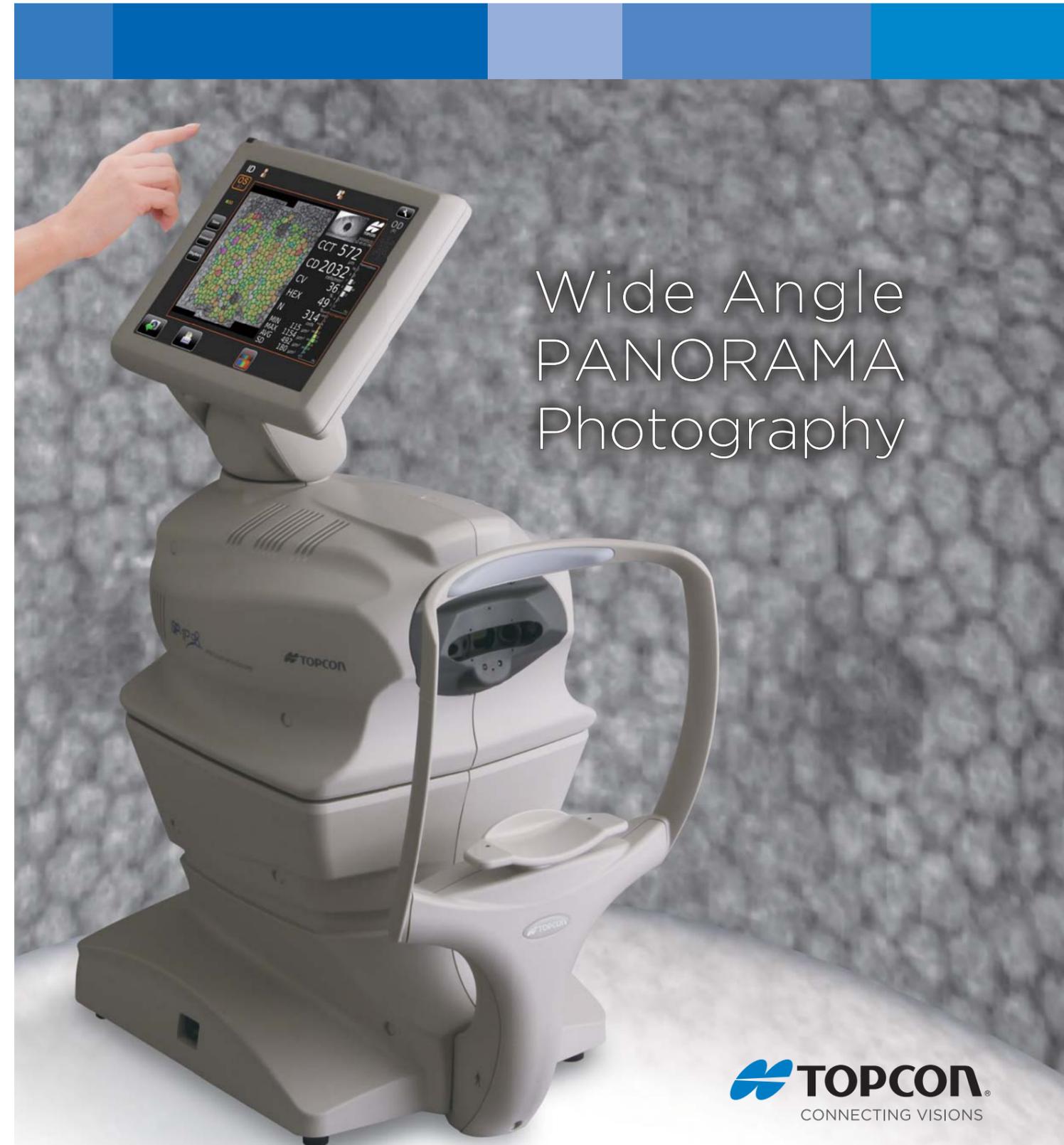
TOPCON CORPORATION BEIRUT OFFICE

P.O.Box 70-1002 Antelias, Beirut, LEBANON
Phone: +961-4-523525/523526 Fax: +961-4-521119

TOPCON CORPORATION DUBAI OFFICE

P.O.Box 293705, Dubai Airport Free Zone L.L.U. J-12, Dubai, U.A.E
Phone: +971-4-299-5900 Fax: +971-4-299-5901

Specular Microscope SP-1P



TOPCON
CONNECTING VISIONS

SPECULAR MICROSCOPE **SP-1P**

The Next Generation in Specular Microscopy

The new Topcon Specular Microscope model SP-1P introduces a modern ergonomic design and innovative features that simplifies its use and increases its efficiency. A large 10.4 inch rotatable touch panel monitor eliminates the need for a control lever, and can be turned to various angles, for better interaction with the patient. By simply tapping on the center of the patient's pupil displayed on the monitor, the SP-1P automatically centers, focuses and acquires the endothelial cell image. The entire operation takes a few seconds and it is fast and smooth, requiring minimum training. The space saving features combined with its ease of use makes the SP-1P the instrument for a new generation in eye care.

Features

- » **Wide Angle "Panorama" Photography Mode**
 - Substantial size increase of the analyzed area
- » **Two Specific Photography Modes**
 - Sequence Course & Free Style Course
- » **Quick Automatic Measurement and Analysis**
 - Instant acquisition of the analysis result
 - Intuitive operation
- » **Easy-to-Read Screen and Comprehensive Analysis Software**
 - Frequently referred values are shown on top
 - A pleomorphic / polymegethic histogram can be shown with color
- » **Compact and Stylish Design**
 - 10.4" rotatable touch panel monitor

Functionality & Aesthetics Combined
in the **NEW SP-1P**



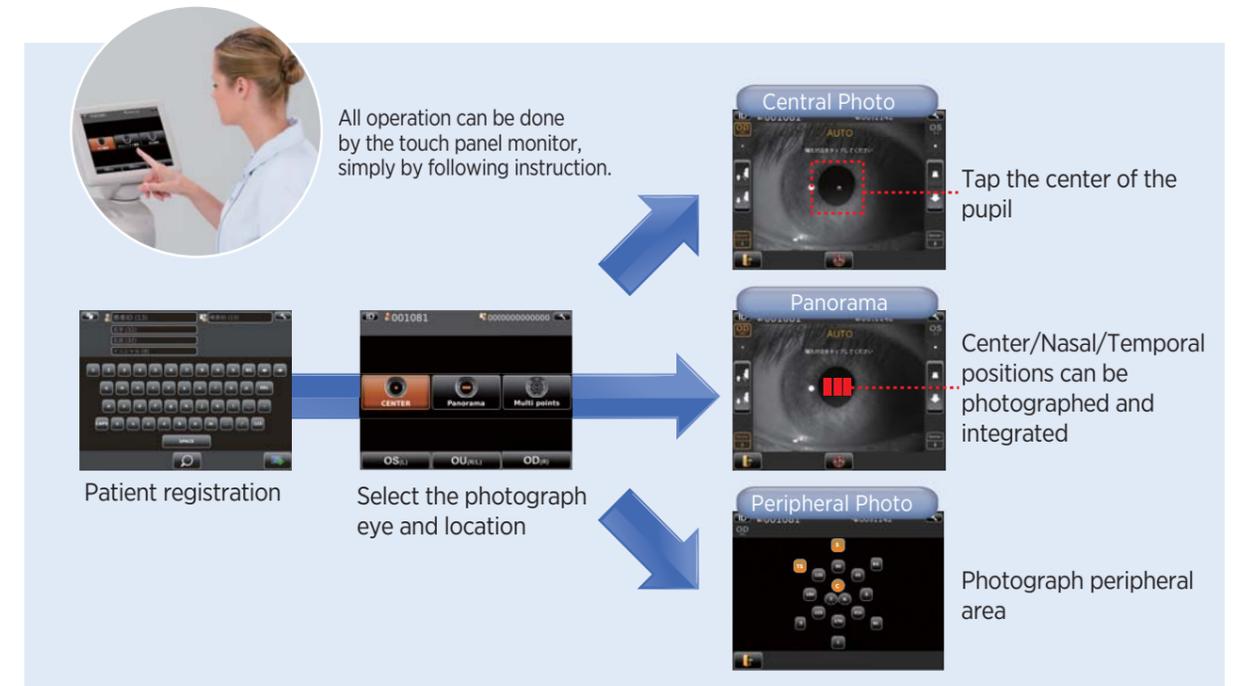
Fast and Easy Operation

The SP-1P offers 2 selectable photography modes.
The examiner can select between Sequence Mode and Free Style Mode.

Two Selectable photography modes

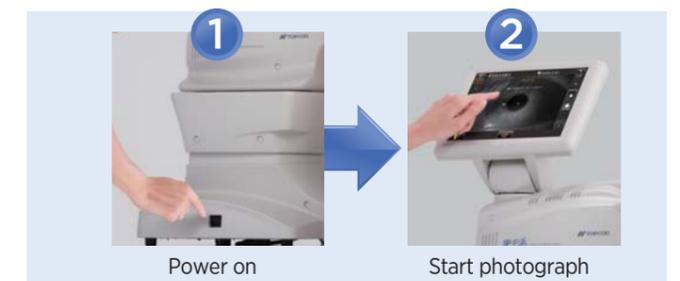
Sequence Course

The examiner can enter patient information prior to photographing and then perform the photograph and analysis of the different areas of the cornea. This ensures that all necessary information on the patient is saved.



Free Style Course

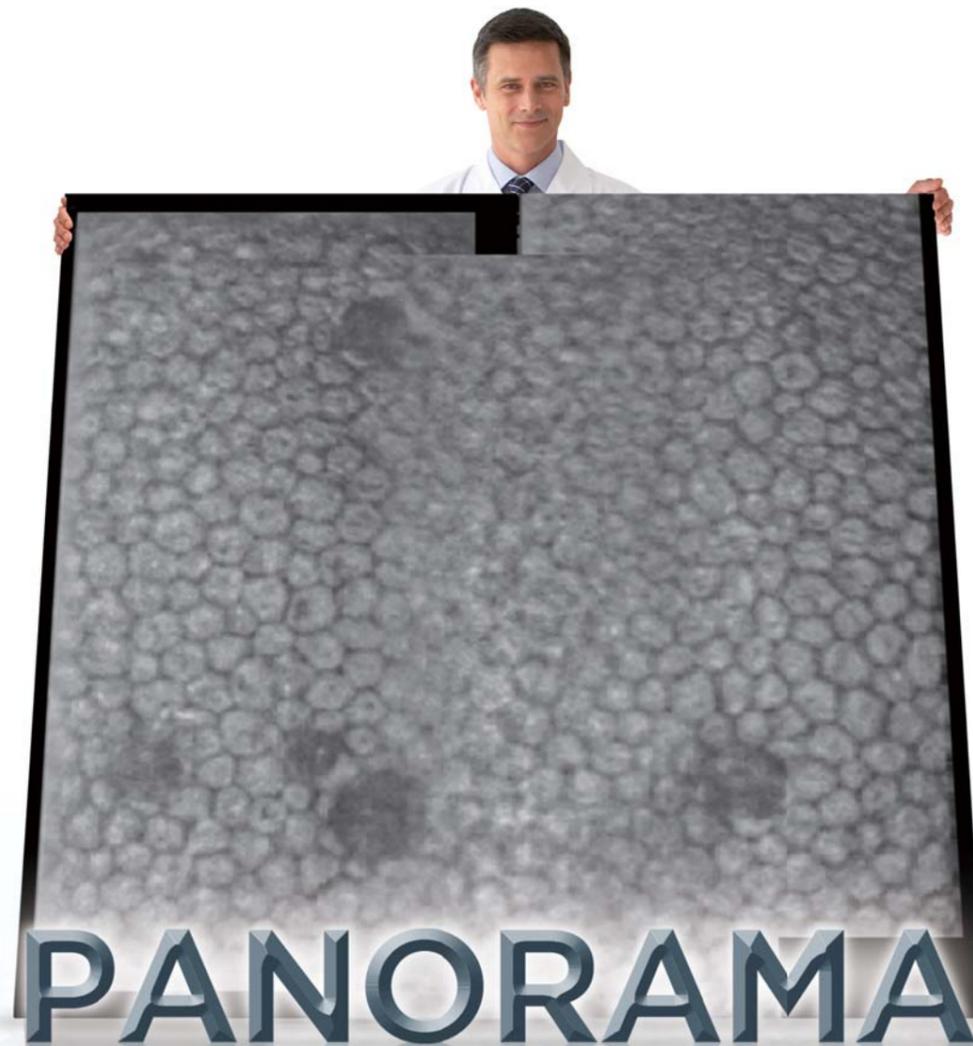
Immediately after turning on the device, the examiner can start taking pictures. Even during the examination, the examiner can change or add the area to be photographed which allows for a more flexible and quick analysis.



Quick Automatic Measurement and Analysis

The SP-1P photographs and displays analyzed data by simply tapping the screen. All functions, alignment, photograph and analysis are performed automatically.

Speedy & Smooth



PANORAMA

Substantial Size Increase of the Analyzed Area

Panorama Photography Function

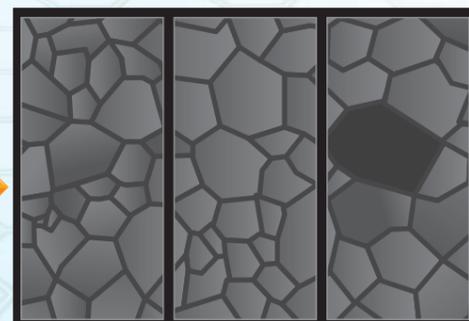
The "Panorama" function takes three images in three different areas: central, nasal and temporal and automatically combines them creating a larger area for the observation and analysis of endothelial cells*. Compared to conventional analysis, this larger area of cells allows for a faster and more complete evaluation of the patient's endothelium condition. The "Panorama" function is especially useful when the patient cells are decreased and the available number of cells is limited. The increased analyzed cells improve on the reliability of the examination result.

Conventional Analysis Area



Eg.)N40

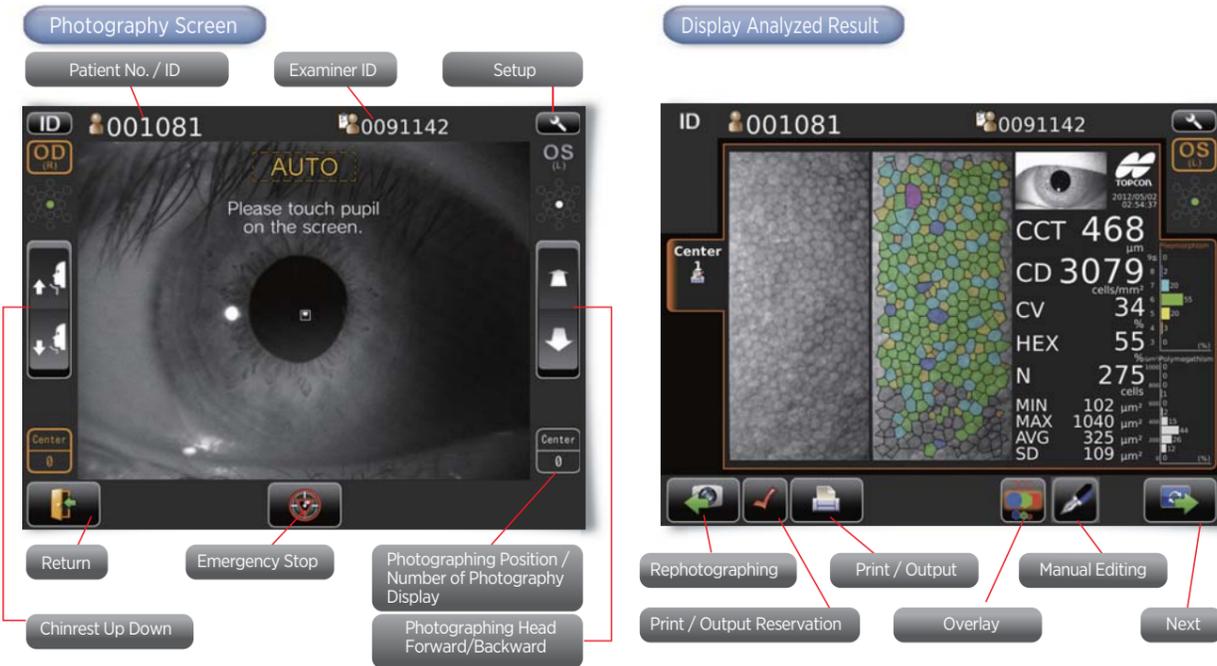
PANORAMA



Eg.)N100

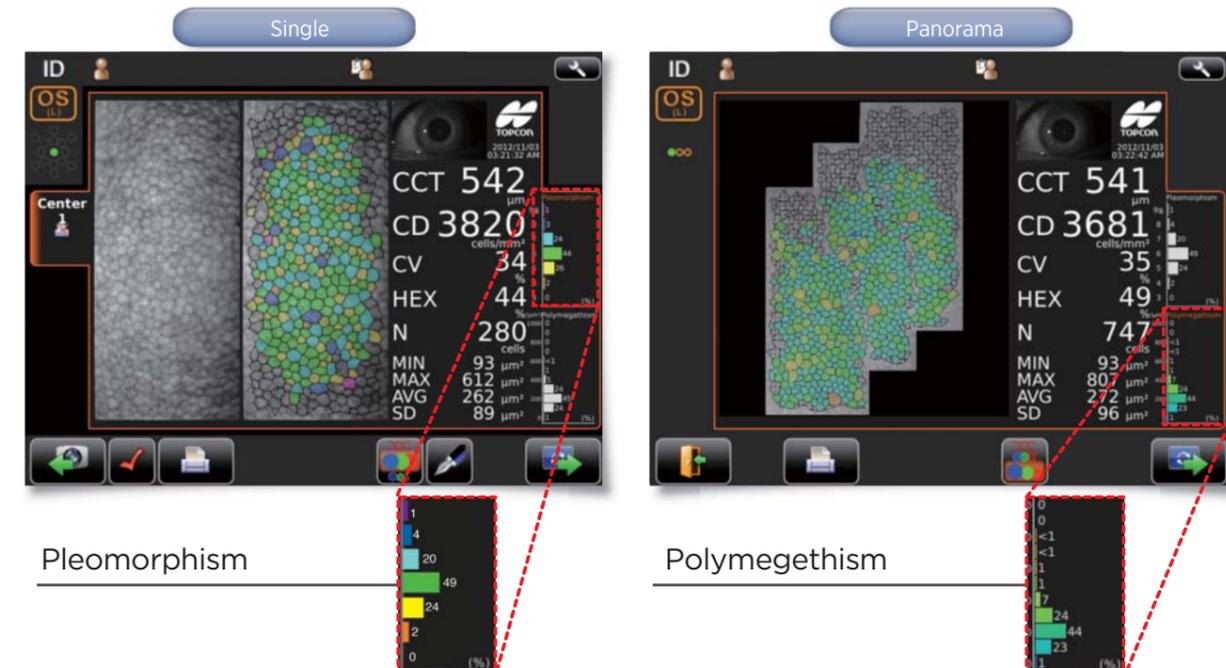
* The analysis of combined images is available after photographing a minimum of 2 areas (center and either adjacent nasal / temporal).

Easy-to-Read Screen Layout



Comprehensive Analysis Software

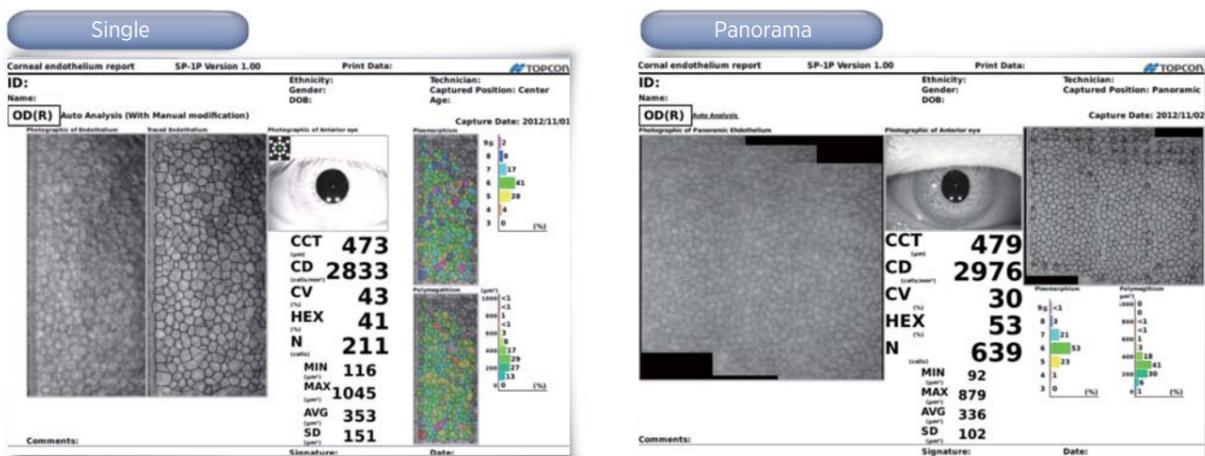
All relevant values such as corneal thickness (CCT), cell density (CD), coefficient of variation (CV) and percentage of cell hexagonality (HEX) are displayed in large font size on the top of the measurement screen. By tapping the overlay button at the bottom, the analysis graph can be changed to pleomorphic or polymegethism.



Easy-to-Understand Report

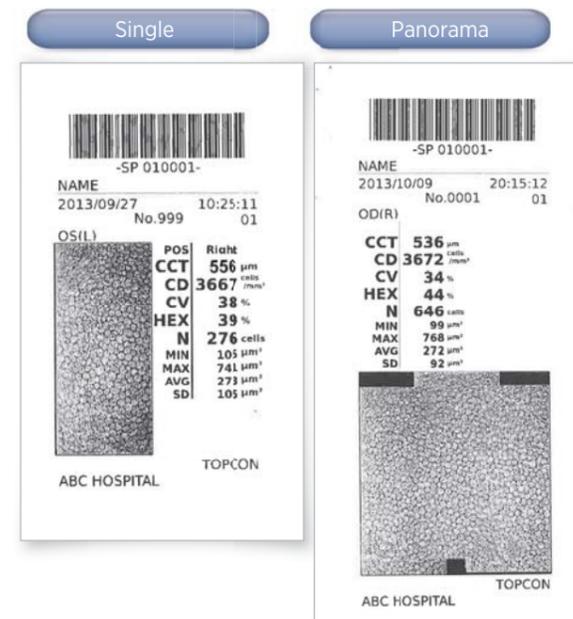
Sample Report Layout 1

After photography the below report will be transferred to the imaging files or can be printed out from the external printer.



Sample Report Layout 2

Directly printout from the device.



Compact and Stylish Design

Topcon Specular Microscope SP-IP offers patient's comfort, ease of use, and increased operation speed. The SP-IP continues the trend of other Topcon automated instruments such as the KR-1 and CT-1/CT-1P designing user-friendly devices that benefit patient and examiners as well.



※Putting in row behind the wall.

