

# SP-1P

## Specular Microscope

Easy-to-use automated endothelial analysis



# Easy-to-use, Automated Specular Microscope SP-1P



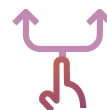
## O V E R V I E W



Robotic Specular  
Microscope



Flexible Rotating  
Touchscreen



Easy-to-Use,  
Touchscreen Operation



Panorama  
Photography  
Function



Comprehensive  
Report



Small Footprint  
with Flexible  
Positioning

# KEY FEATURES

## Quick Automatic Measurement and Analysis

The SP-1P photographs and displays analysed data by simply touching the image of the pupil on the control panel. All functions, including alignment, photography and analysis are performed automatically.

## 17 Fixation Points and Panoramic Function

17 fixation points distributed across the central, mid-peripheral and peripheral cornea offer multiple capture possibilities. In addition, the panoramic function covers a large, central corneal area for more complete evaluation of the patient's endothelial condition\*.

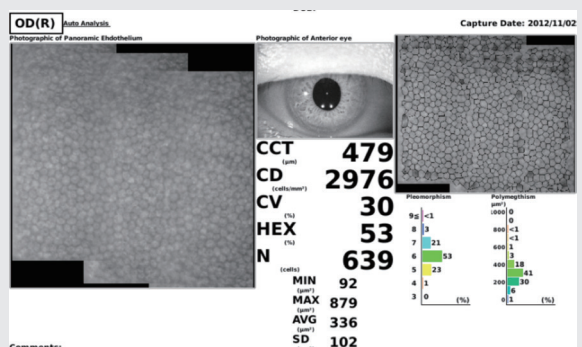
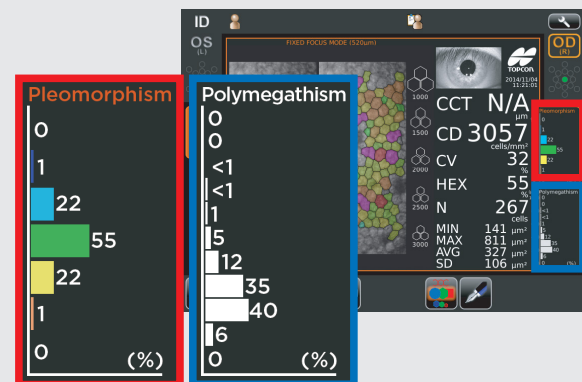
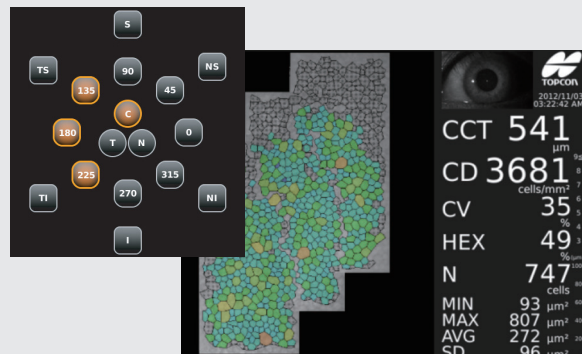
\* The analysis of combined images is available after photographing a minimum of 2 areas (centre and either adjacent nasal or temporal).

## Comprehensive Analysis Software

Key corneal metrics such as corneal thickness (CCT), cell density (CD), coefficient of variation (CV) and percentage of cell hexagonality (HEX), are clearly displayed on the results screen. Simply touch the screen to select the polymorphic or pleomorphic distribution histograms.

## Analysis Report

The report can be exported as an image file.



## 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\*

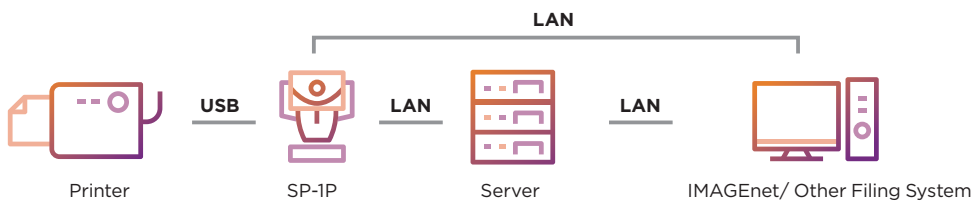
|                   |                                    |
|-------------------|------------------------------------|
| Measurement range | 0.400-0.750mm                      |
|                   | Display unit: 0.001mm step display |

### 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



**IMPORTANT** In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.  
Not all products, services, or offers are available in all markets. Contact your local distributor for country-specific information and availability.

**TOPCON INSTRUMENTS ( MALAYSIA ) SDN. BHD.**  
(Regional Office for Topcon Healthcare Southeast Asia)  
Unit 2, 4, Jalan Pensyarah U1/28, Hicom-glenmarie Industrial Park,  
40150 Shah Alam, Selangor, MALAYSIA  
Phone: +603-766 16260 Fax: +603-766 16261  
Email: mys\_tim\_marketing\_sm@topcon.com  
www.topconhealthcare.my

**TOPCON SINGAPORE MEDICAL PTE. LTD.**  
100G Pasir Panjang Road, #02-18, Interlocal Centre,  
SINGAPORE 118523  
Phone: +65-68720606 Fax: +65-67736150  
E-mail: med.sales.sg@topcon.com  
www.topconhealthcare.jp

**TOPCON INSTRUMENTS ( THAILAND ) CO., LTD.**  
77/162 Sinnsathorn Tower, 37th Floor, Krungthoburi Rd.,  
Klongtongsa, Klongsarn, Bangkok 10600, THAILAND  
Phone: +66-02-440-1152 Fax: +66-02-440-1158  
Email: tha\_medical@topcon.com  
www.eyecare.topcon.co.th

**MEHRA EYETECH PRIVATE LIMITED**  
801 B Wing, Lotus Corporate Park, Graham Firth Steel Compound  
Goregaon (East) Mumbai 400063 Maharashtra, INDIA  
Phone: +91-22-61285455  
E-mail: sales@mehraeyetech.in  
www.topconhealthcare.in

**TOPCON (BEIJING) MEDICAL TECHNOLOGY CO., LTD.**  
Room 2808, Tower C, JinChangAn Building, No.82, Middle Section of  
East 4th Ring Road, Chaoyang District, Beijing 100124, P.R. CHINA  
Phone: +86-10-8794-5176  
E-mail: cn\_marketing@topcon.com  
www.topcon-china.net/

**TOPCON KOREA MEDICAL CO., LTD.**  
2F YK Building, 205, Dogok-ro, Gangnam-gu,  
Seoul, Republic of Korea  
Phone: +82-2-6959-7947  
E-mail: tkm@topcon.com  
www.topconhealthcare.kr/



#### TOPCON CORPORATION

75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, JAPAN.  
Phone: +81-(0)3-3558-2522/2502  
Fax: +81-(0)3-3965-6898  
www.topconhealthcare.jp

