

# SPECIFICATIONS

## SS-1000 MEASURING MODE

### Anterior Segment (customized)

Scan Direction . . . Radial / Horizontal / Vertical  
 Scan Types . . . . .16 - 256 Lines  
 Scan Resolution . . .256 - 512 A-Scans per Line  
 Sampling  
 Scan Speed . . . . .min 0.2 sec / max 4.8  
 Scan Range . . . . .Adjustable 8 mm - 16 mm  
 Scan Depth . . . . .6 mm  
 Scan Mode . . . . .Area / 2D Video  
 Fixation Targets . . .1x Central / 4x Peripheral  
 1x Accommodation  
 (+5 dpt to -10 dpt)

### Cornea (Topo-/Pachy-Map)

Scan Direction . . . Radial Scan - 16 Lines  
 Scan Resolution . . .512 A-Scans per Line  
 Sampling  
 Scan Speed . . . . .0.3 sec  
 Scan Range . . . . .Transverse  $\phi$  10 mm,  
 Depth 4 mm

### Bleb Segment

Scan Direction . . . Raster Scan - Horizontal  
 Scan Resolution . . .256 (H) x 256 (V)  
 Scan Speed . . . . .2.4 sec  
 Scan Range . . . . .16 mm (H) x 16 mm (V)  
 Depth 6 mm

### Anterior Segment

(High-Resolution Scan)  
 Scan Direction . . . Radial Scan - 128 lines  
 Scan Resolution . . .512 A-Scans per Line  
 Sampling  
 Scan Speed . . . . .2.4 sec  
 Scan Range . . . . .Transverse  $\phi$  16 mm,  
 Depth 6 mm

### Anterior Chamber Angle

Scan Direction . . . Radial Scan - 64 Lines  
 Scan Resolution . . .512 A-scans per Line  
 Sampling  
 Scan Speed . . . . .1.2 sec  
 Scan Range . . . . .Transverse  $\phi$  16 mm,  
 Depth 6 mm

## SS-1000 ANALYSIS

### 3D/2D Analysis

3D Viewer . . . . .Gonioscopic Cutplanes  
 Rotating  
 Maps . . . . .Topography  
 (Absolut / Klysed / Wilson)  
 Pachymetry (numerical /  
 individual) Ks / Kf / AvgK  
 Measurement . . . . Personal Curvature  
 Correction, Anterior  
 Chamber Angle, Bleb  
 Segment Analysis, CCT/ACD  
 Measurement, CCT / Flap  
 Thickness / Bias Curvature,  
 Area Measurement  
 Video Export . . . . .2D Rotation View  
 2D C-Scan View  
 3D Video

### Measuring Unit

Resolution . . . . .Axial (Depth) 10  $\mu$ m or less  
 (in Tissue) Transverse 30  $\mu$ m  
 or less (in Tissue)  
 Scan Speed . . . . .30,000 A-Scans / Second  
 Scan Range . . . . .6 mm x 16 mm x 16 mm  
 Stroke . . . . .88 mm (X Axis)  
 40 mm (Y Axis)  
 45 mm (Z Axis)

Stroke  
 of Chin Rest . . . . .70 mm  
 Touch Screen . . . .8.4" Colour TFT  
 Dimension WDH . . .360 x 493 x 519 mm  
 Weight . . . . .Approx. 21 kg

### Alignment

Mode . . . . .Manual via Joystick or  
 Touch Screen,  
 Auto Alignment,  
 Auto Shoot

### Light-Source Unit

Type . . . . .Swept Source Laser  
 Wavelength . . . . .1310 nm  
 Principal . . . . .Fourier-Domain  
 Output Power . . . . Less than 5mW  
 Dimension WDH . . .457 x 299 x 234 mm  
 Weight . . . . .Approx. 21 kg

### Power Source

Voltage . . . . .100 V AC - 240 V AC  
 Frequency . . . . .50/60 Hz  
 Consumption . . . . .250 VA - 300 VA

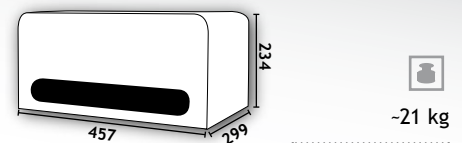
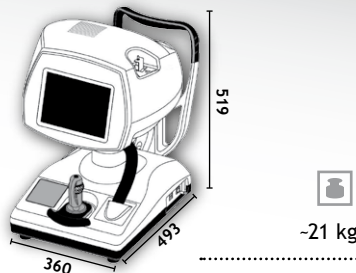
### Workstation Computer

OS . . . . .Windows XP  
 CPU . . . . .Intel Core 2 Duo  
 Processor  
 Memory . . . . .4 GBytes  
 HDD RAID . . . . .750 GB x 2 (Level1)  
 Data Output . . . . .Printer (LAN / USB)  
 Display . . . . .19 inch Colour  
 TFT Display

### Accessories

E-Lift Table . . . . .1200 x 600 mm  
 . . . . .PC Holder  
 . . . . .Printer Holder  
 . . . . .Isolation  
 Transformer  
 Data Export . . . . .LAN / USB  
 Documentation . . . . MS / Printer  
 (not included)  
 Video Printer  
 (not included)

## DIMENSIONS



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