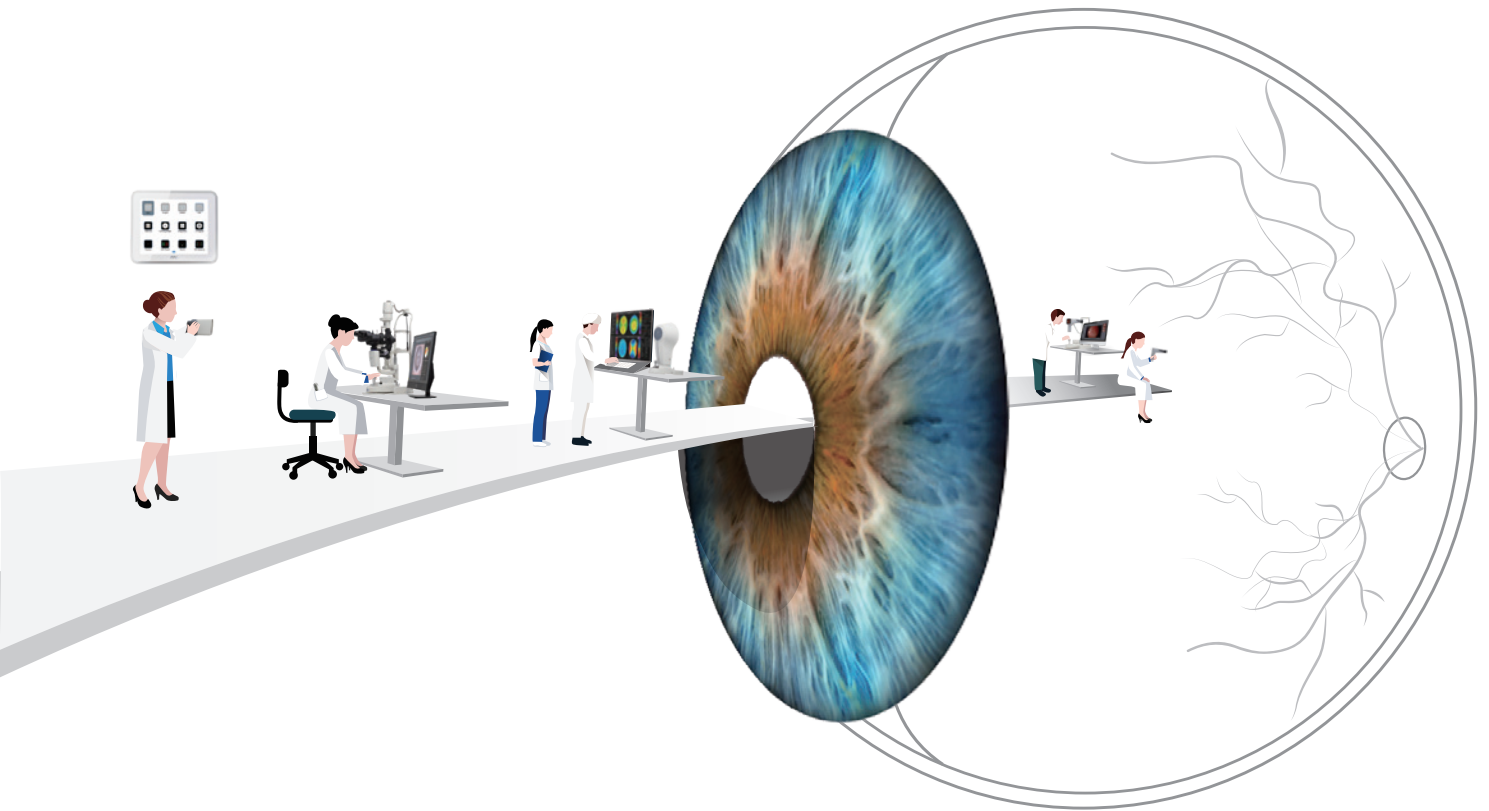


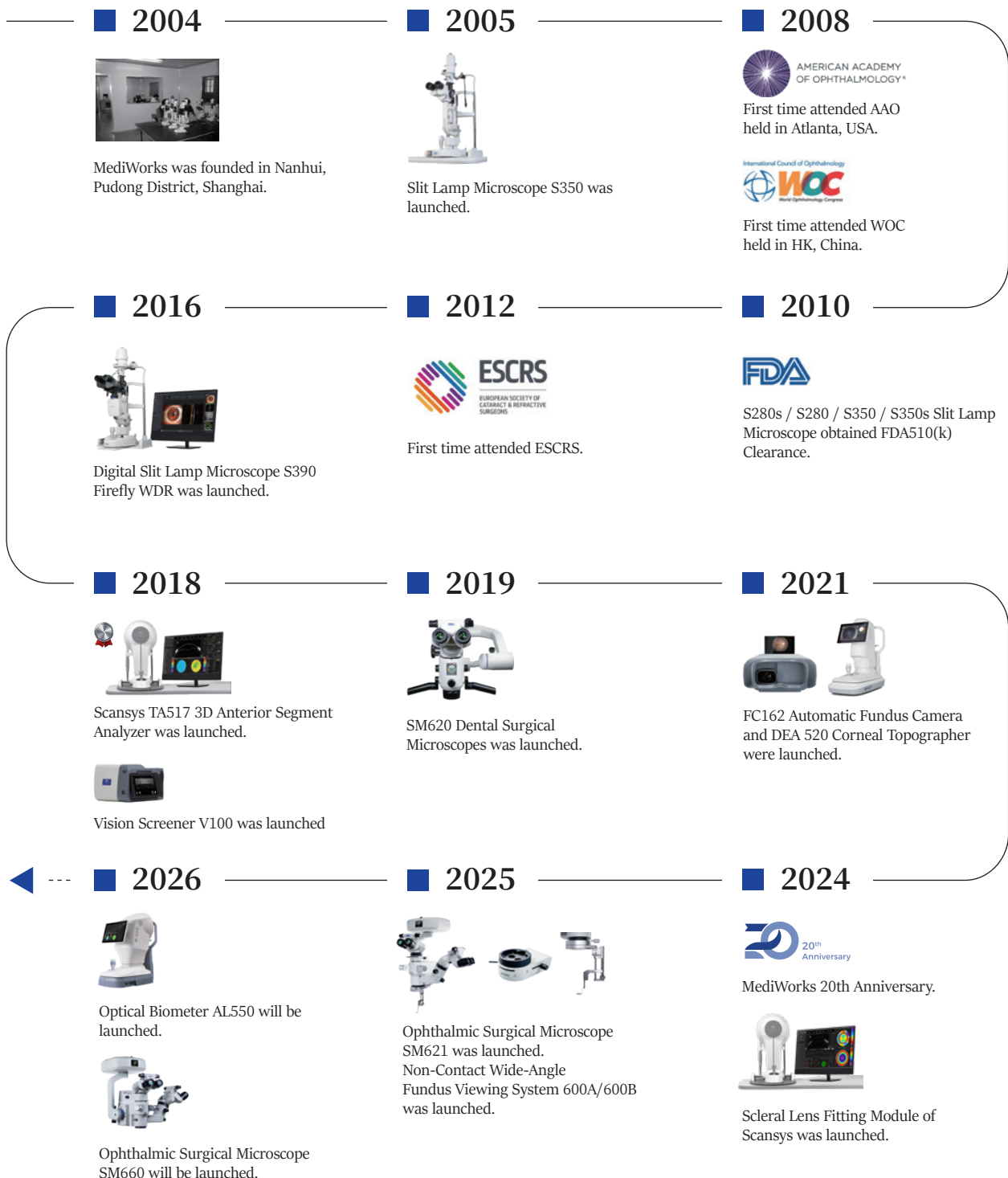


Ophthalmic Solutions

Details Make the Difference

About MediWorks

Shanghai MediWorks Precision Instrument Co., Ltd. was established in 2004. The headquarters of R&D, Manufacturing, Business Development and Operation Center headquarters are based in Shanghai, with branches in Europe. MediWorks has rich experience in R&D and production of ophthalmic and dental instruments, medical imaging and machine vision. MediWorks is committed to providing doctors with high-quality products, advanced technologies and superior services. Our medical devices have been widely utilized and earned acclaim and trust in over 100 countries globally. MediWorks under the brand promise of "**Details make the Difference**", let's create a smarter future and improve the lives of billions.



Product



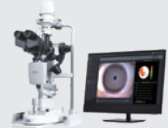
Refractive, Cataract & Optometry

Scansys 3D Anterior Segment Analyzer



Dry Eye

Dry Eye Diagnostic System



Dry Eye & Topography

2 in 1

Ocular Diagnostic Master



Myopia Management

Optical Biometer



Retina Disease

Fundus Camera



Vision

Vision Screener / Vision Chart



Ophthalmic Surgical Products

Ophthalmic surgical microscopes

StereOptic Inverter/ Fundus viewing system



Basic Diagnosis

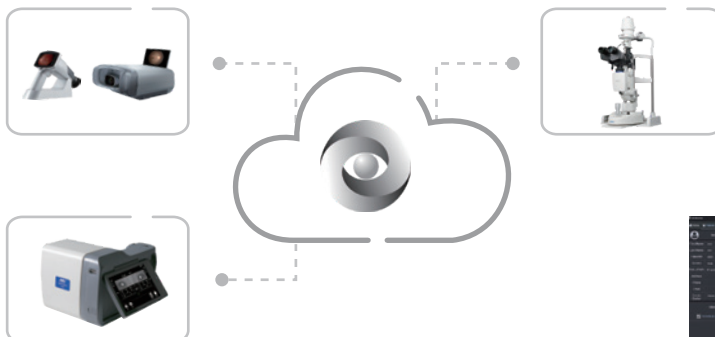
Slit Lamp & Accessories



Optometry Lift Table



Mediview Patient Management Software



Supports Windows 64-Bit

Supports DICOM

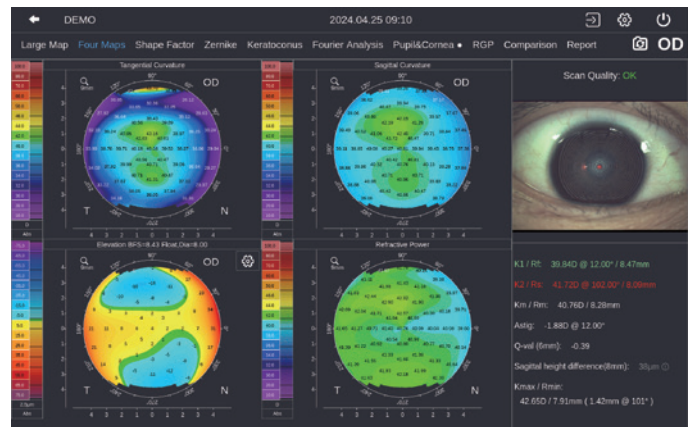
Same User Experience for Multiple Devices



2 in 1 - Ocular Diagnostic Master

Corneal Topographer

DEA 520



4 Maps

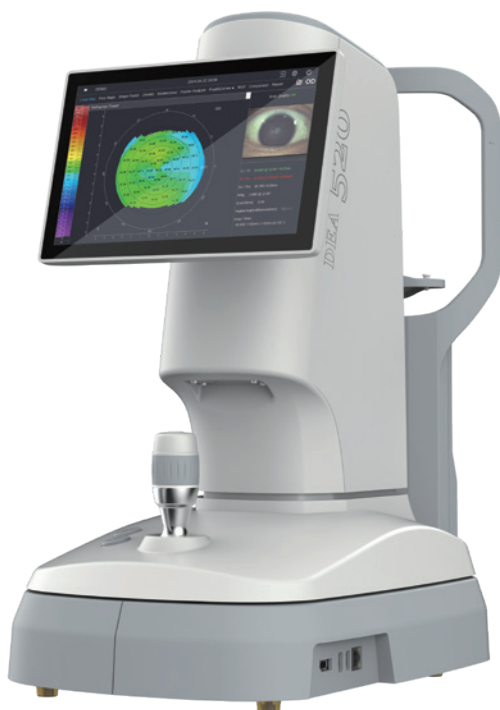
4 maps provide Sagittal Curvature, Tangential Curvature, Elevation Map, Refractive Power and K1/K2/Km/Astig/Ecc value.

Aberration & Simulation

Zernike wavefront aberration analysis makes plan of cataract and refractive surgeries visualized and ensures patient's postoperative vision quality.

Lens Fitting

A simulated fluorescein image will be created based on patient's cornea. The system will recommend several suitable lens for choose, which accelerates work flow and excludes unfit lens to save the trouble for patient to do real several fluorescein staining.



Dry Eye Questionnaire

Ocular Surface Disease Index (OSDI)/McMonnies/
SPEED/DEQ 5

The built-in dry eye questionnaire is designed according to the risk factors and clinical characteristics of dry eye, providing a simple preliminary assessment for dry eye, improving diagnosis and treatment efficiency and facilitating patient follow-up.

Conjunctival Redness Analysis

Identify and calculate percentages of conjunctival congestion and ciliary congestions and evaluate severity of eye congestion.

Eyelid Margin

The high resolution image supports zoom in to meet examination requirements of overall shape of eyelid margin and its slight change.

Lipid Layer Thickness

Observe lipid layer dynamic and distribution by video recording compared with standard templates. It's helpful for judging MGD.

Corneal Fluorescein Staining

Specially designed built-in yellow filter, working with cobalt-blue illumination improves contrast of corneal fluorescein staining images. Effectively increases positive rate of early corneal epithelial staining.

Blink Quality

The high-definition video is captured by the infrared light source and automatically analyzes blink frequency, blink interval, incomplete blink, and incomplete blink ratio.



Dry Eye Diagnosis

Non-Invasive Breakup Time

After taking one video, it brings out automatic result of NIBUT and Tear Meniscus Height. More than 9.6 mm diameter Placido ring projection. Auto-identify breakup area and analyze NIBUT intelligently. Fully automatic analysis system provides efficient quantified evaluation for the overall stability of tear film.

Non-Invasive Tear Meniscus Height

Automatic identification system depicts Tear Meniscus area and measures the tear height automatically. Evaluate tear secretion amount and continuity objectively. More efficient and less irritation compared with the traditional Schirmer's test.

Meibomian Glands Function Evaluation

Automatically analyze meibomian glands loss caused by MGD with precise and quantified diagnosis results. Auto-identify and auto-enhance of meibomian glands area. Get the Original Image/Enhance Image/Result Image by one-click.

Fluorescein Tear Breakup Time

AI automatically detects changes in tear film morphology and calculates tear film breakup time to assess tear film stability.



Automatic Optical Biometer

AL 550

Fast, precise & automatic biometric and
topographic measurement
— Your Eyesight Guardian



Fast

Two eyes biometry can be captured
within 20 seconds.

Zero learning curve, master operation
in 60 seconds.



Precise

μm -level accuracy and repeatability.

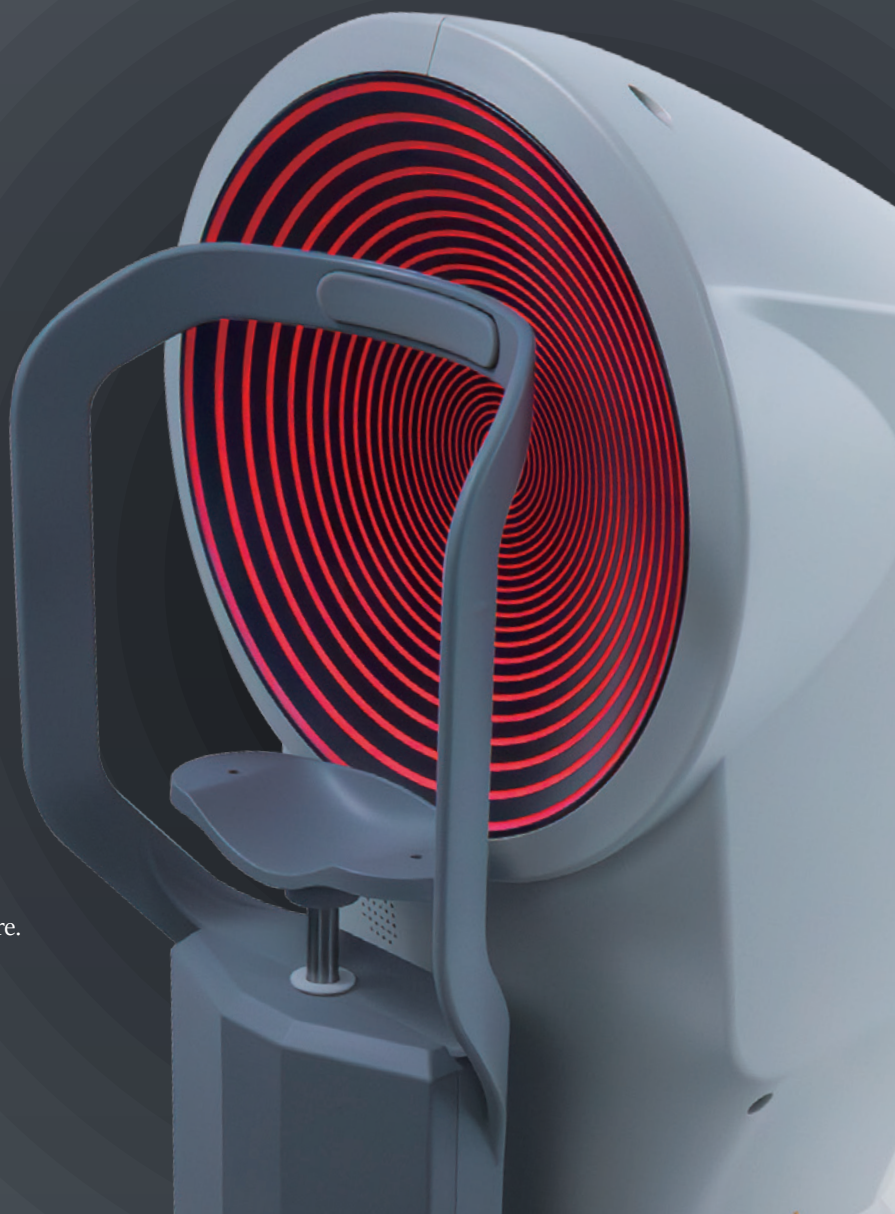
Seven independently developed patents
and mature market experience, boost-
ing data detection rate.



Automatic

Two times click, capture completed.

Voice prompts guide users through the capture.

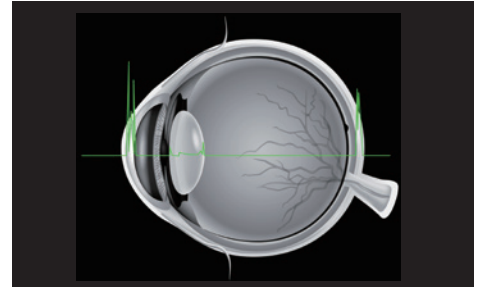


Dual Technology on biometry and topography

OLCR (Optical Low-Coherence Reflectometry) Measurement Technology

The high signal-to-noise ratio makes the measurement more precise compared with traditional measurement.

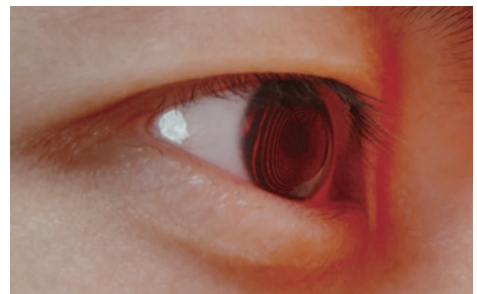
The 1060nm wavelength provides greater penetration of eye tissue than other wavelength, enabling precise measurement.



Placido Disc

The 50-ring design Placido disc can provide 125,600 accurate analysis data points.

The large cone design covers more than 9.8mm diameter of central cornea to obtain more precise measurement data.



Generate 22 Parameters in 1 Scan

Axial Length (AL)

Trend of AL

Axial Length/Corneal Radius Ratio (AL/CR)

Trend of AL/CR

Flat Keratometry (K1)

Steep Keratometry (K2)

Mean Keratometry (Km)

Maximum Keratometry (Kmax)

Astig (AST)

Astig Axis

Keratoconus Incides

Pupil Diameter (PD)

Pupil Center Position (Kappa Angle)

White-to-White (WTW)

Cornea Center Position (Alpha Angle)

Eccentricity Value (Ecc)

Central Corneal Thickness (CCT)

Anterior Chamber Depth (ACD)

Lens Thickness (LT)

Vitreous Thickness (VT)

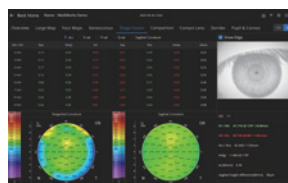
Higher Order Aberration (RMS)

Strehl Ratio (SR)

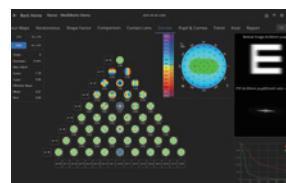
Various Applications across Multi-Scenarios



Myopia Progression
Monitoring



Orthokeratology
Lens Fitting



Wavefront Aberration
Analysis



Keratoconus
Screening

Guided examination: providing a comprehensive report covering multiple dry eye diagnosis

Dry Eye Questionnaire / Non-Invasive Tear Film Breakup Time / Fluorescein Breakup Time
Non-Invasive Tear Meniscus Height / Meibomian Glands Function Evaluation / Lipid Layer Thickness
Eyelid Margin / Conjunctival Hyperemia Analysis / Corneal Fluorescein Staining / Blink Quality

Dry Eye Diagnostic System

Dry eye diagnosis / Anterior segment photography / Lens fitting / Patient management / Telemedicine

Optical resolution is up to 200 lp/mm(2700·N lp/mm), providing more details of the pathologies

Non-invasive examination, quantitative data
Full-automatic Firefly digital module, easy operation without parameter settings
High quality optics and built-in yellow filter efficiently increase the accuracy of lens fitting
Professional 1/2.5-inch sensor and 1.55 μ m pixel, real-time playing and storage
Smart patient management system, DICOM supported



Complete examination, Comprehensive evaluation, Precise diagnosis



Dry Eye Report					
Name: DEMO Gender: M Age:		Patient ID: RC PROVISION 00095	Diagnostic Type:		
Check Date: 2025-01-07 10:42:50	OD	OS	Check Date: 2025-01-07 10:42:49		
NIBUT FBUT Eye Redness Tear Height Lipid Layer Meibomian Glands		NIBUT FBUT Eye Redness Tear Height Lipid Layer Meibomian Glands			
Reference value Grade 0 Healthy, First rupture time: 10s Grade 1 Warning, First rupture time: 6-9s Grade 2 Dry Eye, First rupture time: 7-13s Grade 3 Severe, First rupture time: 5s Dry Eye First rupture time: 3.92 s Average rupture time: 6.83 s		Reference value Grade 0 Healthy, First rupture time: >10s Grade 1 Mild, First rupture time: 6-10s Grade 2 Moderate, First rupture time: 2-5s Grade 3 Severe, First rupture time: <2s Dry Eye First rupture time: 4.48 s Average rupture time: 6.37 s			
FBUT: 5.28		FBUT: 13.63			
Blink times: 16 Average blink interval: 3.8s Complete blink times: 15 Incomplete blink rate: 1/16		Blink times: 15 Average blink interval: 4.0s Complete blink times: 14 Incomplete blink rate: 1/15			
Healthy		Healthy			
Reference value Healthy: ≥0.2mm Healthy 0.27 mm		Reference value Healthy: ≥0.2mm Abnormal 0.18 mm			
Grade 4		Grade 3			
Reference value Grade 0: No missing Grade 1: Loss of meibomian glands <1/3 Grade 2: Loss of meibomian glands 1/3-2/3 Grade 3: Loss of meibomian glands >2/3 Upper Meibomian Glands Grade:1 Lower Meibomian Glands Grade:2		Reference value Grade 0: No missing Grade 1: Loss of meibomian glands <1/3 Grade 2: Loss of meibomian glands 1/3-2/3 Grade 3: Loss of meibomian glands >2/3 Upper Meibomian Glands Grade:1 Lower Meibomian Glands Grade:2			
Reference value 1.Healthy(clear and transparent eyelid) 2.Mild(Gland opening protrude) 3.Moderate(fat embolism on the gland opening, disappearance of mucosa of eyelid margin,hyperkeratosis.) 4.Severe(irregular eyelid margin, disappearance of gland opening, posterior eyelid margin obtuse, thickened,new blood vessel.) Upper: Mild Lower: Mild		Reference value 1.Healthy(clear and transparent eyelid) 2.Mild(Gland opening protrude) 3.Moderate(fat embolism on the gland opening, disappearance of mucosa of eyelid margin,hyperkeratosis.) 4.Severe(irregular eyelid margin, disappearance of gland opening, posterior eyelid margin obtuse, thickened,new blood vessel.) Upper: Mild Lower: Mild			
Remarks:		Remarks:			
Conjunctival grade: 17% Ciliary grade: 10.8% Remarks:		Conjunctival grade: 14.2% Ciliary grade: 7.6% Remarks:			
Result:		Result:			
Remarks:					
Print Date: 2025/01/07 Doctor: Admin					

Scansys TA517 3D Anterior Segment Analyzer



Generate 28/60/100 high-definition anterior segment tomography images within 1 scan

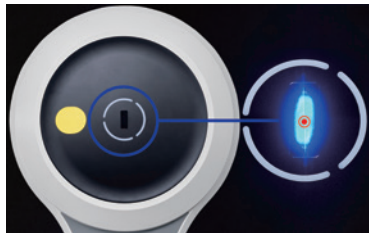
A total of 185,472/397,440/662,400 data points are collected for more accurate measurement of the ocular anterior segment

Has a growing global population database beyond 3,000 cases

The optimal-designed functions perfectly meet the needs of multiple ophthalmic scenarios

What's New in Scansys TA517

- **New red fixation point and ring with low-power blue slit light** facilitate high-quality scanning and imaging.

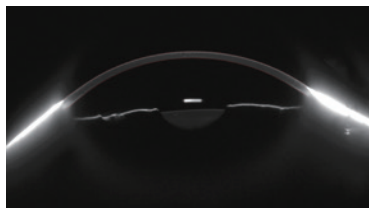


New Scansys



Scansys

- **Up to 662,400 data analysis points** significantly improve the measurement accuracy.



New Scansys
(18mm-diameter corneoscleral coverage)



Scansys
(16mm-diameter corneoscleral coverage)

- **18mm corneoscleral diameter coverage** comprehensively supports various scleral lens fitting.

- **New IOL calculation formulas: Pearl-DGS and Pearl-DGS Pro** enable precise prediction of IOL power for common cataract patients or cataract patients after refractive surgeries.



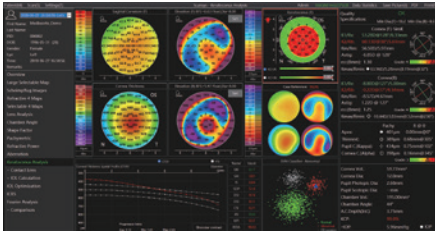
Peral-DGS formula
for common cataract patients



Peral-DGS Pro formula
for cataract patients after refractive surgery



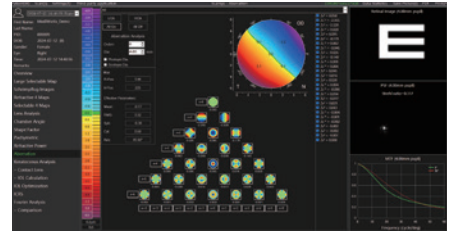
Refractive Surgery



Keratoconus Analysis

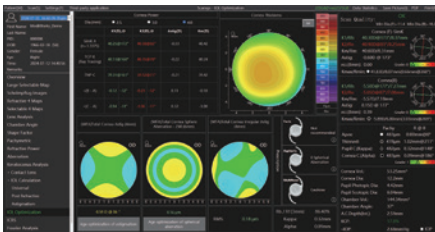


ICL Recommendation

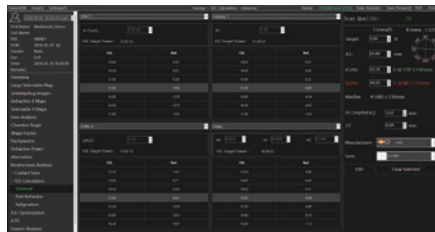


Wavefront Aberration Analysis

Cataract Surgery



IOL Optimization

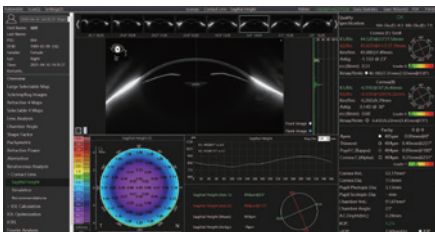


IOL Calculation

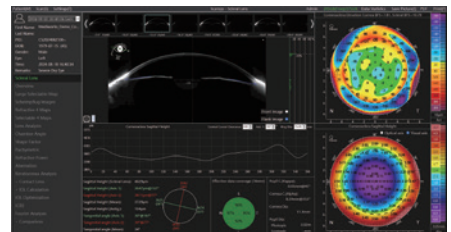


Lens Density Analysis

Contact Lens Fitting

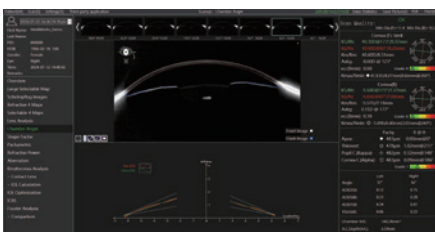


Orthokeratology Lens Fitting

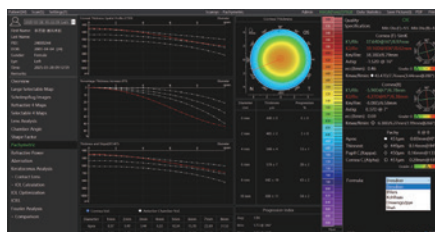

Automated Calculation of
Contact Lens Fitting Parameters


Scleral Lens Fitting

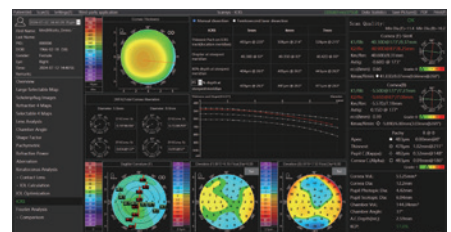
Glaucoma and ICRS Surgery



Anterior Chamber Angle Analysis



IOP Correction Formula


Intrastromal Corneal Ring
Segments Recommendation

Hand-held Fundus Camera FC161

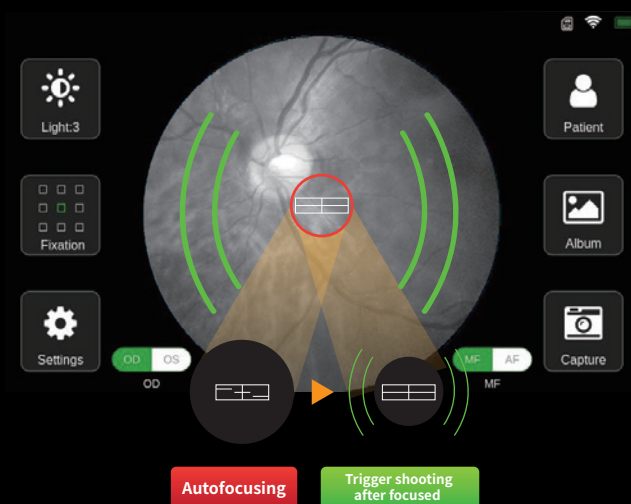
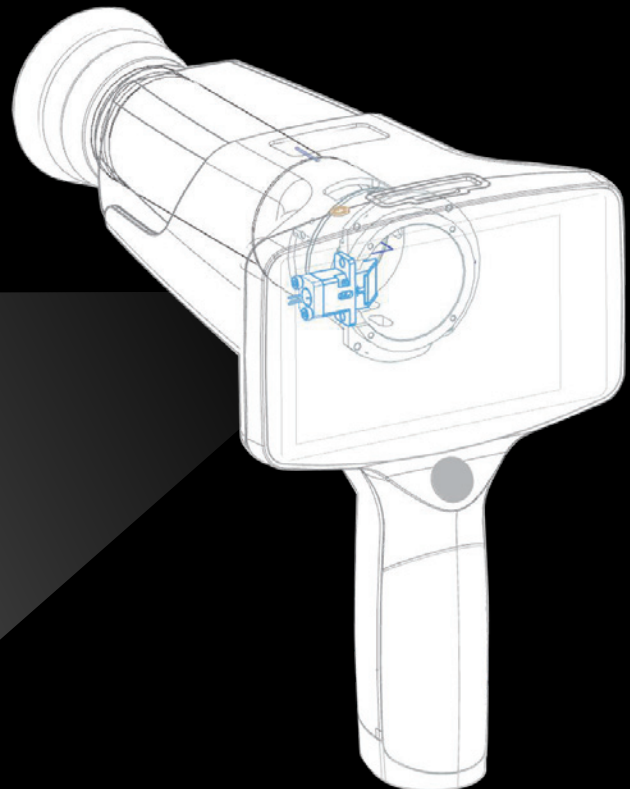


Millisecond Focusing



- Up to 12 Mega Pixels image resolution. It makes the diagnosis of early lesions more accurate and also essential for diagnosing retina disease.
- Non-Mydriatic. The minimum pupil diameter of FC161 is $\phi 3.5$ mm.
- 4.3" full-touch LED screen.
- With 45° field of view (a single central fundus image).
- With 9 fixation targets, covers 85° field of view of the fundus.
- Mediview Patient Management software.

FC161 adopts Auto Split Focusing technology, focusing speed reaches milliseconds. It avoids the out-of-focus of the fundus image caused by the patient's movement during shooting, effectively improve the image quality and reduce the requirements for cooperation between operators and patients.



Automatic Fundus Camera FC162

Guard Your Health Easily

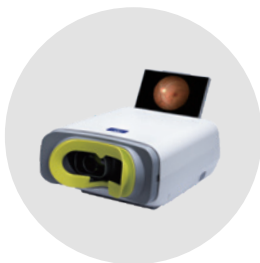
Auto pupil alignment

Auto focus

Auto shooting



30 Seconds Obtaining Binocular Retina Images



Start shooting,
the system will align the pupil
and start capture



Capture binocular retina
images under voice
interaction



Adaptable
third-party
software



Split Focusing Technology



15 Mega Pixels



50° Field of View



Non-mydratic

Vision Screener V100

— 1M — Working distance.
Quickly deliver testing results in 1 second.
4.3" full touch flipped screen.

Report

Name: ghhh Age: 50 Patient ID: 11112 Diagnostic Type:

4.48 mm		4.44 mm	
↑ 1		↑ 1	
→ 0		→ 0	

OD			OS		
DS	DC	Axis	DS	DC	Axis
-2.50	-0.25	88	-4.00	-0.50	148
SE -2.75			SE -4.25		
-CYL 64.73 mm					

RIGHT EYE			LEFT EYE		
Myopia	Hyperopia		Myopia	Hyperopia	
Astigmatism	Gaze		Astigmatism	Gaze	

BOTH EYES		
Anisometropia	Pupil Size Difference	Gaze Asymmetric

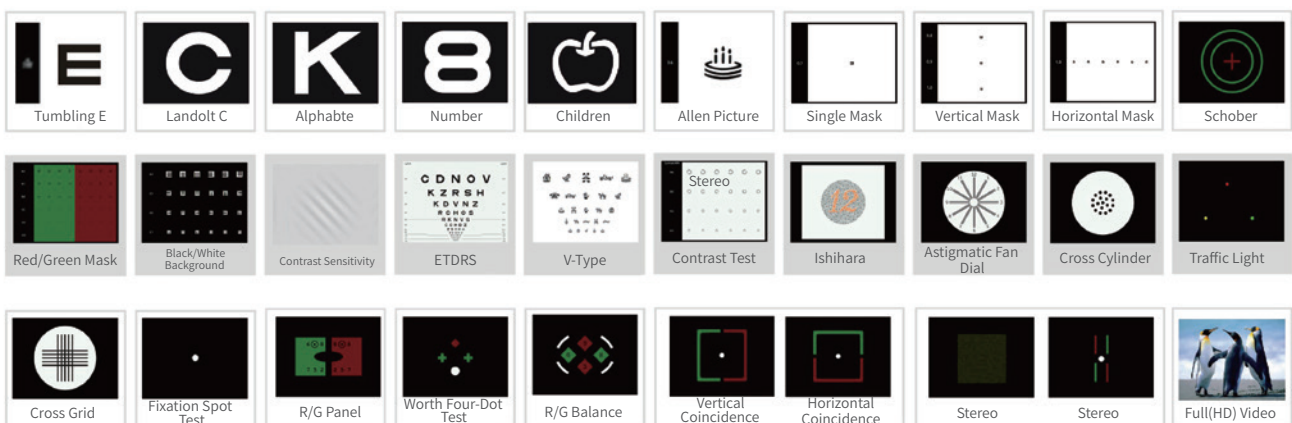
Result:

Monocular	Myopia, Hyperopia, Astigmatism, Gaze	Binocular	Anisometropia, Strabismus, Anisocoria
-----------	--------------------------------------	-----------	---------------------------------------



Vision Chart C901

17 inch LED backlit screen.
Better user experience--- All tests icons are listed on home interface.
Quick test list--- Pick frequently used tests to establish your own quick test list.





Portable Slit Lamp S150

Magnetic design

Easy to take photo/video with mobile phone

Continuously variable slit width

Configured with cobalt blue filter

Adjustable illumination brightness

Lamp: LED

Total Magnification 6x

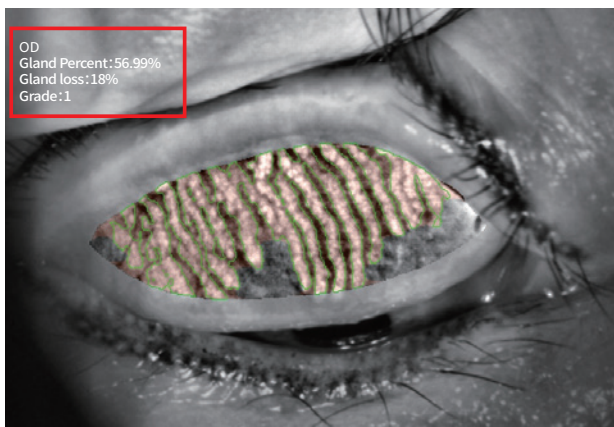
6h continuous working time

Rechargeable Li-ion battery 3.7V/3400mAh

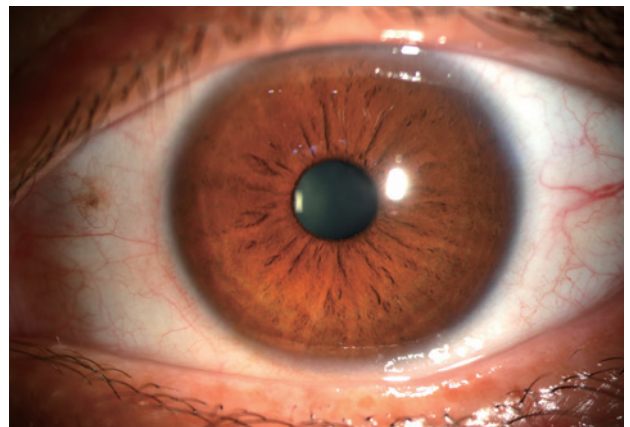


Digital Slit Lamp Microscope S390L (Firefly)

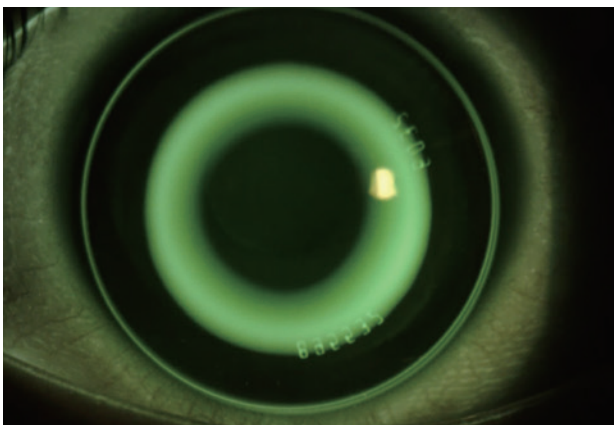
Capable of upgrade to [Dry eye diagnostic system]



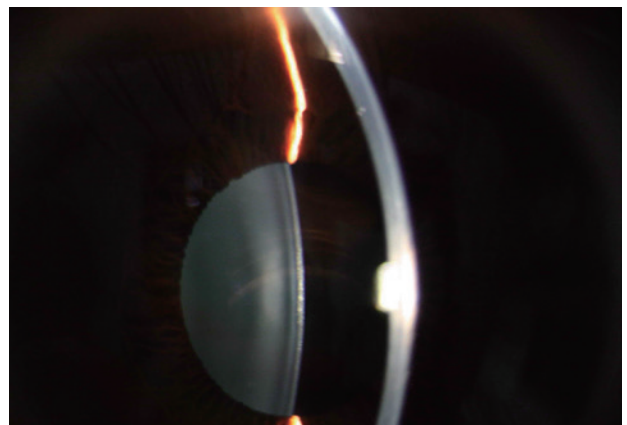
Meibomian Gland Observation / **Automatic classification**



Whole Eye / **Wide dynamic range**



Lens Fitting / **Built-in yellow filter**



Crystalline Lens / **High sensitivity**

Automatic Classification of Meibomian Glands

Unique Built-in infrared lighting system provides a larger scope capture of Meibomian Glands. Adjustable depth of field and aperture enable more vivid images. Precise diagnosis of Dry Eye caused by MGD is guaranteed with the help of automatic Meibomian Glands loss classification.

Increase Positive Rate of Early Corneal Epithelial Staining

Built-in yellow filter along with cobalt-blue filter increases the contrast of corneal fluorescein staining images.

HD Optical System

Optical resolution is up to 200 lp/mm, providing more details of the pathologies.

Fully Automatic Firefly Digital Module

Firefly Digital module is specially designed for anterior segment examination, no parameter settings required (automatic exposure, auto white balance), with adjustable depth of field and wide dynamic range, 12 Mega Pixels video output, high examination efficiency is allowed.





Slit Lamp Microscope S290

Lamp : LED
Total Magnification : 6.3 x, 10 x, 16 x, 25 x, 40 x
Filters : Heat-absorbing filter / Red-free filter /
Cobalt Blue filter / Built-in yellow filter
Image Sensor : 5 M Pixels
Photo Resolution : $\geq 4056 \times 3040$
Video Resolution : $\geq 2592 \times 1952$
Frame of Video : ≥ 25 fps
Exposure Mode : Automatic exposure



Slit Lamp Microscope S260/S260s

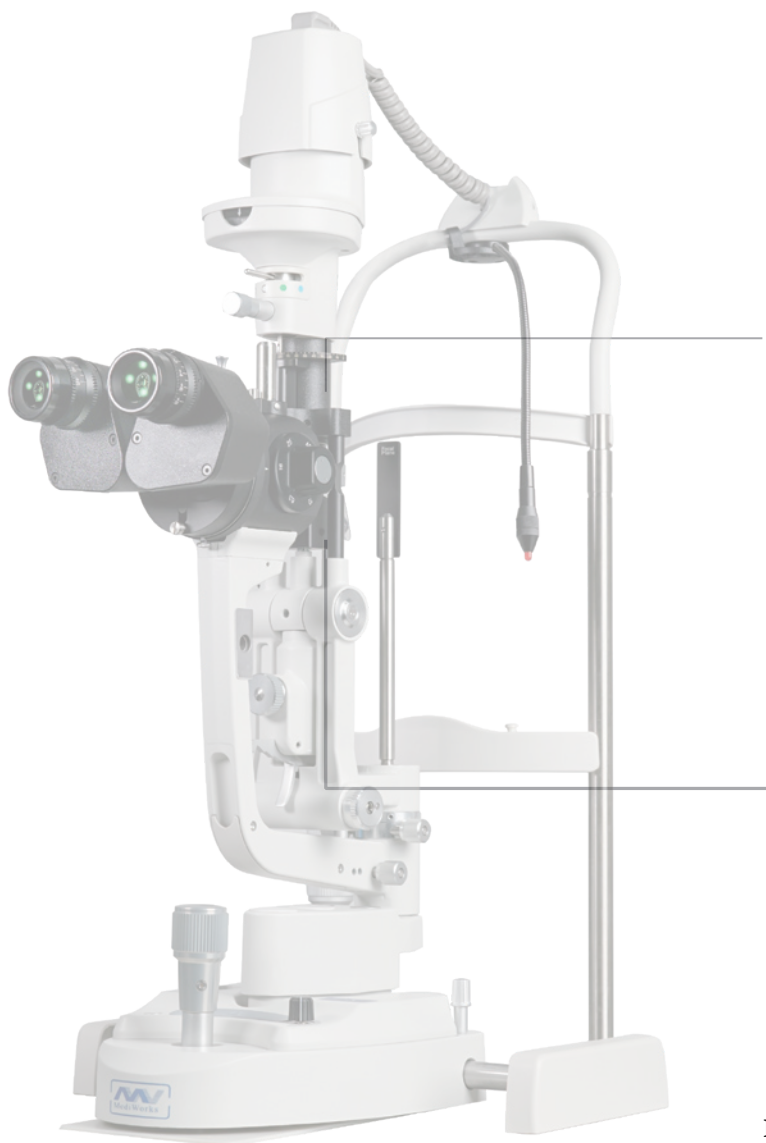
Lamp : LED
Slit Width : 0 ~ 14 mm continuous
Filters : Heat-absorbing filter / Red-free filter /
Cobalt Blue filter / Built-in yellow filter
Diopter Adjustment : - 8 D ~ + 8 D
Pupillary Adjustment : 52 mm ~ 80 mm
Aperture Diameters : $\varnothing 14$ mm / $\varnothing 8$ mm /
 $\varnothing 3.5$ mm / $\varnothing 0.2$ mm
Built-in power supply
Total Magnification : 5 steps (S260) / 3 steps (S260s)



Slit Lamp Microscope S360/S360s

Lamp : LED
Slit Width : 0 ~ 14 mm continuous
Filters : Heat-absorbing filter / ND filter/Red-free
filter/Cobalt Blue filter/Built-in yellow filter
Diopter Adjustment : - 8 D ~ + 8 D
Pupillary Adjustment : 52 mm ~ 80 mm
Aperture Diameters : $\varnothing 14$ mm / $\varnothing 10$ mm / $\varnothing 5$ mm /
 $\varnothing 3$ mm / $\varnothing 2$ mm / $\varnothing 1$ mm / $\varnothing 0.2$ mm
Built-in power supply
Total Magnification : 5 steps (S360) / 3 steps (S360s)

Slit Lamp Accessories



Applanation Tonometer



T170R

Available for
S360s / S360 / S390L



T170Z

Available for
S260s / S260 / S290



Beam Splitter



Observation Tube



Digital Camera Adaptor

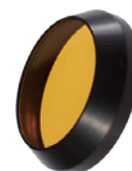
Others



Retina Lens 90D 78D 20D



Yellow Filter Module



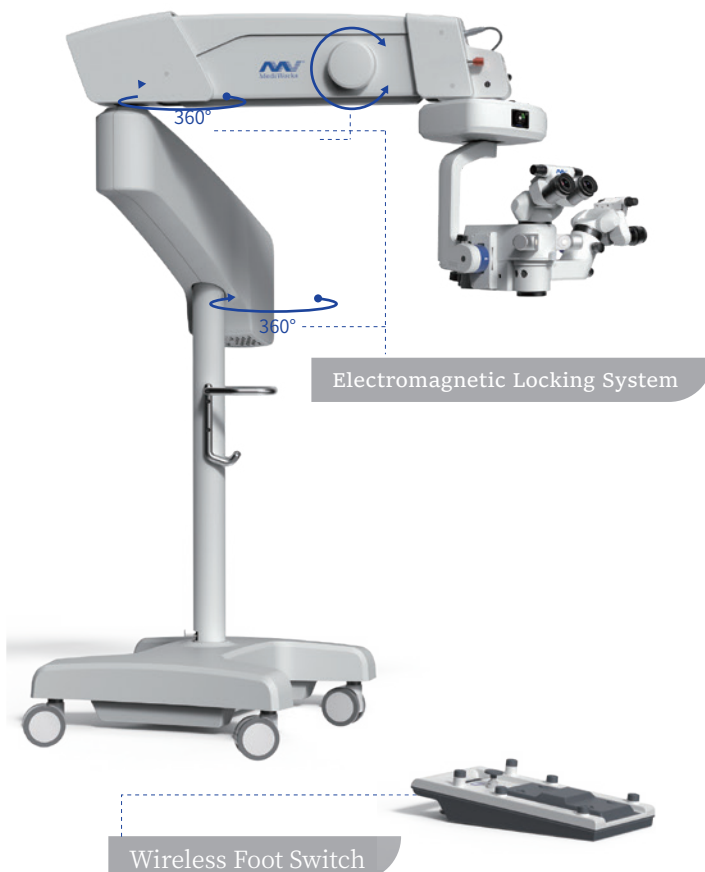
Yellow Filter



Elanus M Ophthalmic Surgical Microscope SM660

See More Details · Wider Vision · Versatile System

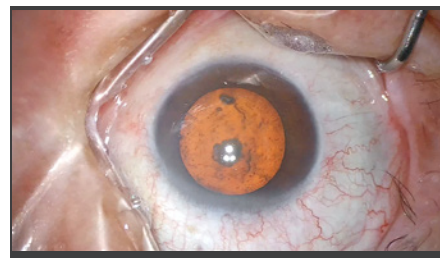
- Cutting-edge Optic Design
- Bright, Stable & Adjustable Red Reflex
- Electromagnetic Locking System
- Personalized Customization & Case Management System
- 4K High Resolution Video System
- Multi-functional Display
- Independent Assistant Microscope



Ophthalmic Surgical Microscope SM621

See Everything in Detail

- Cutting-edge Optic Design
- Motorized ZOOM System
- Independent Assistant Microscope
- Bright and Stable Red Reflex
- 4K High Resolution Video





Marvelens

Non-Contact Wide-Angle Fundus Viewing System 600B/600A

A wide and sharp surgical field of view guarantees the success of vitreoretinal surgery

Wide-angle, high-definition and stereoscopic imaging

- A super-wide vitreoretinal surgical field of view.
- Ultra-high-resolution coaxial imaging.
- Non-contact design avoids corneal irritation, damage and infection, etc.

600A StereOptic Inverter

- The built-in laser filter safeguards surgeons' eyes
- Single-lens inversion for an effortless fundus viewing
- Ergonomically designed

Model	Wide-angle	Small-diameter wide-angle	Large-diameter mid-field	Mid-field
				
Field of View	100° / 130°	95° / 115°	65° / 95°	45° / 55°
Magnification	0.4X	0.43X	0.75X	1X
Diameter	18 mm	13 mm	18mm	13 mm





ES-18A

Specification



Tabletop Size	550 mm x 450 mm
Table elevator height	660 mm ~ 860 mm
Input	DC 100V ~ 220 V, (50 Hz / 60 Hz)
Weight	21 kg
Maximum load	50 kg



ES-40L

Specification



Tabletop Size	1100 mm x 575 mm
Table elevator height	665 mm ~ 865 mm
Input	DC 100~220 V $\pm$ 10%, (50 Hz / 60 Hz)
Fuse	220 VA
Weight	35 kg
Maximum load	180 kg



Instant Online Service

Our professional service team responses quickly to customers' questions and complaints via E-mail, Skype and phone.

Guaranteed Quality

Each product is assembled delicately by skillful worker in the pursuit of beauty and perfection. Strict quality control is applied to ensure reliable and durable quality.

Interaction with Users

We keep in close touch with ophthalmologists via in person visit, e-mail, social media,etc to understand their demand and ideas for the products. In this way, we are able to incorporate these market feedback into our product development and production to meet these dynamic market demands.

Distributor Information



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