

Ophthalmic Slit Lamp Microscope Serial Technical Specification and Performance:

Model	Item	SLM-1ER	SLM-2ER-High	SLM-12ER-High	SLM-2ER	SLM-1X	SLM-2X	SLM-3X	SLM-4ER	SLM-3ER	SLM-3ER-High	SLM-4X	Note
Optical performance	Optics types	Converging	✓		✓	✓	✓	✓	✓	✓	✓	✓	
		Galileo		✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Resolution	Resolution, standard definition: 1800 Nline /mm	✓	✓		✓	✓		✓	✓		✓	national standard
		high definition 2200 Nline /mm			✓			✓			✓		30% better than national standard, easy for observing Corneal endothelial
	Sensitivity	standard	✓	✓		✓	✓		✓	✓		✓	
		high sensitivity			✓			✓			✓		same illuminance, brightness increase 50%
	Eyeiece	common eyepiece	✓			✓							
		high eyepoint eyepiece	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	more comfortable for examination
	eyepiece magnifications	10X	✓			✓							
		16X	✓			✓							
Mechanical operability		12.5X		✓	✓	✓	✓	✓	✓	✓	✓	✓	
	total magnifications	10X, 16X, 25, 6X	✓			NO25 6x							
		6X, 10X, 16X, 25, 6X, 40X		✓	✓	✓		✓	✓	✓	✓	✓	
		standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	high-precision platform			✓				✓			✓	✓	easy operation
	ordinary digital camera								✓				Economical, full-featured
	high resolution SLR camera									✓	✓	✓	high definition
	built-in industrial-grade imported digital acquisition												vivid colors and faster shooting
	Manual Exposure + basic software								✓				manually set exposure parameters
	automatic image optimization									✓	✓	✓	a button to set the exposure parameters
Digital features	auto exposure									✓	✓	✓	automatically optimizes image quality
	Synchronous flash compensation lighting system									✓	✓		Fractured image clearer, stronger sense of hierarchy
	Coaxial background lighting system									✓	✓		Providing auxiliary light source, so that the rest of the slit part is simultaneously
	Automatic recognition of eye position									✓	✓		
		High Illumination	✓	✓	✓	✓			✓	✓	✓		
		Low illumination adjustable /1mm~10mm	✓				✓	✓	✓			✓	
	Slit Width/height	adjustable /0mm~14mm		✓	✓	✓	✓	✓	✓	✓	✓	✓	
	adjustable /1mm~14mm			✓	✓	✓	✓	✓	✓	✓	✓	✓	
	slit angle	Horizontal rotating 0°~180°	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Illumination inclination angle	5°, 10°, 15°, 20°	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Illumination (high, low illumination)		Light diameter	✓										
		±0.2mm~±10mm		✓	✓	✓	✓	✓	✓	✓	✓	✓	large spot, big illumination scope
		±0.2mm~±14mm		✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Filters	Heat Absorption, Grey, Redfree, Cobalt Blue, 5 color cobalt blue filter combination	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Provide different levels of cobalt blue staining effect
		Yellow filter			⊗						⊗		Enhancing fundus image shooting effect
	External filter	yellow filter		⊗	⊗				⊗	⊗	⊗		
	Lamp	Halogen bulb 12V/50W	✓	✓	✓	✓			✓	✓	✓		
		LED				✓	✓	✓				✓	Energy saving, environmental protection, long service life

✓ Standard ✓ Standard key features ⊗ optional features new new instrument High High end products



Ophthalmic Slit Lamp Microscope

Microscope Ophthalmic Slit Lamp

Introduction

Chongqing kanghua Ruiming S&T Co., Ltd a state-level high-tech enterprises, which is specialized in researching /developing, producing and selling of ophthalmic medical instrument .The company was founded in 1996, till now it has been in the field of research and development for ophthalmic medical equipment more than 18 years .

We have the first-class professionals more than dozens for the research and development in optical,electronics, ultrasonic ,mechanical, and fine processing, software technology. we have national invention patents more than 10 items. We have passed the ISO9001 and ISO13485 quality management system. And we got the CE certification in 2006, FDA clearance will be achieved in 2015. Our products have been sold to the whole nation and the worldwide nearly 60 countries and regions, it is very popular.

We sincerely hope to provide you satisfactory solution with our reliable products and professional services, We also hope to get your valuable support and establish long-term and mutual trust cooperation.

*** Company scale

The company covers an area of more than 30 acres, it has a modern office building, Electron optical building, Comprehensive lab building and standard workshops nearly 20,000 square meters,



Gate



Office building



Finishing workshop



Comprehensive lab building



Electron optical building



Workshop



Finishing Workshop



Finish machining center



Automatic welding



Optical debugging



Finished product inspection



Product aging

*** Significant Achievements

- 2014 Undertook national projects-- national major and special projects of instruments and equipment development.
- 2012 First achieve automatic focusing of fundus camera in china
- 2012 Launched projection perimeter firstly in china , synchronous with international level.
- 2006 First fully implementing the quality certification system in china and passed CE certification
- 2004 Launch free mydriatic fundus camera firstly in china, Subdivided the ophthalmologic examination and medical diabetic fundus examination function
- 2003 launched workstation type ophthalmic ultrasound testing system firstly in china
- 2002 Leading the industry trend, launched the Display type perimeter firstly in china.
- 2001 Lunched Digital fundus fluorescence angiography tester firstly in china.
- 2000 Launched digital slit lamp firstly in the world, achieved Video, digital and networked of slit l
- 1998 Achieved VEP.ERG.EOG All project electrophysiology firstly in china
- 1997 Launched the stationing type computer perimeter firstly in china

***Golden Service

After-sales service for home

- ** 18 years experience in Ophthalmic industry service, top rank in Customer satisfaction rate and a large number of customers keep on buying our instruments
- ** more than 70 servicers in domestic marketing service, Including more than 30 professional and technical engineers, more than 10 designated service station equipped with commonly used components to improve service
- ** With free of charge calls 400, service lasting 24 hours per day, always at your service
- ** Immediate response to the your problem s and feedbacks with hearing from your calling
- ** Door-to-door service within three working days

After-sales service for overseas

- **With remote on line service, which can provide equipment and software installation, as well as online training
- **Efficiently find fault in half an hour, problems which can not be solved online, we will send the parts within 2 working days
- **Provide 24-hour telephone and online service

Contact online:

SKYPE : Kanghua1232

MSN: Kanghuaa1@outlook.com

*** Acquired the certification



CE Certification

***Customers

Chinese hospitals are divided into three-level/nine classes according to the scale (size, staffing, hardware facilities, scientific research ability), Third level class-A hospital is highest level in china.

Images Appreciation



40x Iris



Corneal endothelial cells



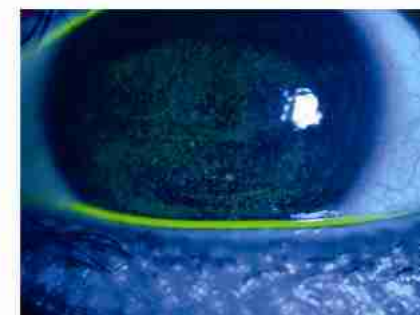
Wing-like meat



Corneal level



16x Iris



Cornea

SLM-3ER-E Digital Slit lamp Analysis System

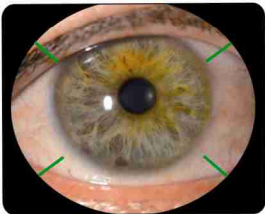
One of the most popular high-end digital slit lamp in domestic market
International advanced optical performance
Optical Resolution > 2300·N line /mm
variety of the latest technology, designed specifically for the anterior segment photography



SLM-3ER-E-type
digital slit lamp microscope

SLM-3ER-E-type digital slit lamp microscope, as expert high slit lamp microscope, with the international advanced optical performance, easy to operate, with a high capacity digital photography. Greater than 2300 N line pairs / mm optical resolution,

Eyeiece focal length synchronous calibration system

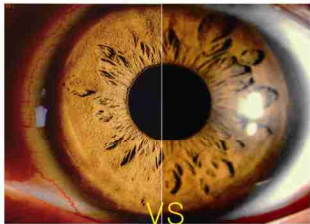


WYSIWYG
so you can shoot
through the eyepiece
a clear picture of
anterior segment



High permeability, increase 50%

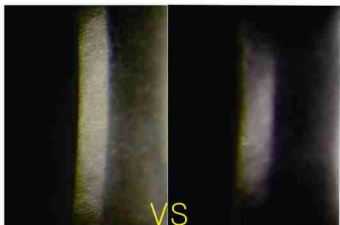
Under the same illumination, brightness
increased by 50%, more brilliant colors



>2300.N line /mm
Resolution
General optical
resolution

High-resolution 30% higher than the national standard

30% higher than the standard, easy for observing



>2300.N line /mm
Resolution
General optical
resolution

Full-featured software

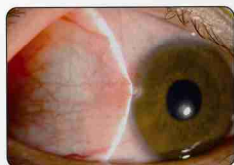
Automatic parameter adaptation and image quality optimization system



Synchronous flash camera device

By flash light compensation system, when
shooting corneal lesion depth and other parts,
it can get more layered and higher resolution
images

SLM-3ER-E Digital Slit lamp Analysis System



Coaxial background lighting compensation system

Meet your fractured image shooting, illuminating the entire eye, so that the captured images show a more complete eye condition.



High eye point eyepiece

When examination, eye close to eye point cover, can not shake the head position, checking more comfortable.



Multi-adjustment device



Multiple filters combination



Yellow Filter

When shooting fundus, with yellow filter, it can get clearer and stereoscopic fundus images.



SLM-3ER Digital Slit lamp Analysis System

Professional HD SLR camera, up to 24.1 million pixels
Synchronous flash camera device
Coaxial background lighting compensation system

Dynamic 1080P HD video recording function (optional)

Dicom3.0 interface, you can access the hospital HIS system, PACS systems to support medical network
Exclusive camera systems and analysis software system is highly integrated, fully programmable contr



SLM-3ER

Digital Slit lamp Analysis System
Powerful / extended high



Lens



Conjunctiva

SLM-4ER Anterior segment analysis system

The new parallel angle (Galileo type) optical body
The new high-resolution digital camera configuration
Digital image interface

slit lamp camera system
5 magnifications
Galilean optical system;
High-performance computer workstations
Independent image software
More than 10 million pixel image resolution



Cataract



Corneal Leukoplakia



SLM-4ER

Anterior segment analysis system

SLM-4X Anterior segment analysis system

New



SLM-4X
Anterior segment analysis system

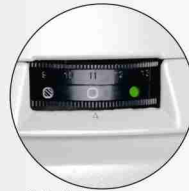


Simple structure / cost - effective

LED light source design

No heat, long life, bright and uniform illumination

The system uses LED light source, flexible operation. LED lighting continuous and uniform, no heat, its expected service life of up to 50,000 hours, energy saving, reducing the tedious replacement of halogen lamps. supports 1080P HD dynamic recording.



Built-in four kinds of filters

Built-in Heat Absorption, Grey, Redfree, Cobalt Blue

SLM-2ER-L Slit Lamp



Teaching
Tube Optional

High Definition Eyepieces More Comfortable for Viewing

- High Sensitivity Professional Objective Lens
- All Lens Have Been Carried out Moisture Proof, Mould Proof and Coating
- Processing for MangTimes, which Prove Its Good Optic Performance in Different Weather Condition
- German Industrial Bulb, High Brightness without Harsh, Quick Heat Dispersion
- International Standard Accessory Interface Which Can Connect Kinds of Ocular Posterior Segment Laser Adapter and Goldman Tonometer
- Digital Upgrading Interface: Can Upgrade to Digital Slit Lamp



SLM-2ER-E Expert slit lamp microscope

International quality, high permeability of a new optical design, eliminates stray light, resolution increased by 50% than ordinary slit lamp; good high eye point, comfort, maximum 14mm spot checks greater extent of disease; five-speed drum zoom design, easier to use. 6X, 10X, 16X, 25.6X, 40X magnification; corneal endothelial cells can be observed under 40x;



High

Resolution is 30% higher than the national standard, Can easily observe the corneal endothelium, angle, etc.

High

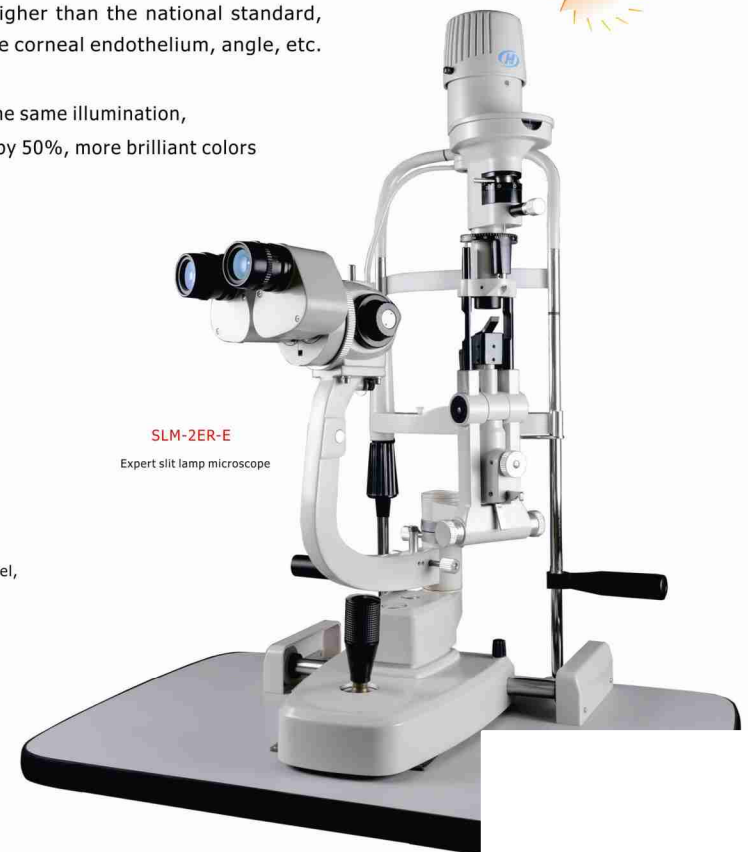
Permeability: under the same illumination, brightness increased by 50%, more brilliant colors

New



Micro platform

precise positioning, comfortable feel, arbitrary fine-tuning



SLM-2ER-E
Expert slit lamp microscope

SLM-2ER Expert slit lamp microscope

Powerful SLM-2ER slit lamp microscope

SLM-2ER professional slit lamp microscope, with a large field of view, good scalability characteristics.

- The new design of high-quality micro platforms, operating handy.
- High eye Point, comfort, maximum 14mm spot checks greater extent of disease;
- five-step drum zoom design, easier to use. 6X, 10X, 16X, 25.6X, 40X magnification; Corneal endothelial cells can be observed under 40x
- All optical lenses are made of imported materials, anti-moisture and anti-fog coating treatment in a variety of climatic conditions, which can ensure the long-term good optical effect;
- Digital upgrade interface, you can upgrade to a digital slit lamp



SLM-2ER
Expert slit lamp microscope



Five-step drum zoom



Optional teaching tube

LED Zeiss-type slit lamp serial

50,000 hours long life expectancy, no heat, energy saving, bright and uniform illumination

The series slit lamp use LED light source, flexible operation. LED lighting continuous and uniform illumination $\geq 200,000$ lux without fever, its expected service life is up to 50,000 hours, energy saving, reducing the tedious replacement of halogen lamps. 180 degrees horizontal.



The width of fracture slippery feel, accurate adjustment is the normal and basic function of the slit lamp. Its smooth and precise adjustment handle to bring you a good experience.



180 degrees horizontal adjustment, Dial indicator laser engraving technology, fine processing, clear font, not fade.



14mm large spot
 $\phi 0.2\text{mm}$ 、 $\phi 1\text{mm}$ 、 $\phi 2\text{mm}$ 、 $\phi 5\text{mm}$ 、 $\phi 10\text{mm}$ 、 $\phi 14\text{mm}$ 、
Built-in six light spot size

SLM-1ER Slit lamp microscope

As a basic type slit lamp microscope, with fully functional,

flexible operation, inspection comfort features.

Using converging optical body design, inspection process is comfortable, not fatigue due to a long time checking.

10X, 16 X magnification eyepieces, can get 10X, 16X and 25.6X. With international standard accessory interface, can install various types of posterior segment laser adapter and Goldman tonometer

SLM-1ER using German industrial lamp as light source, providing you with a stable, uniform light source. built-in four filters can be freely selected. Up to 20 degrees inclination lighting meet your angle and fundus examination requirements.



SLM-1ER
Slit lamp microscope

SLM-3X Slit lamp microscope

Top optical system

- High eye Point, comfort
- five-step drum zoom design, easier to use. 6X, 10X, 16X, 25.6X, 40X magnification; Corneal endothelial cells can be observed under 40x
- Digital upgrade interface, you can upgrade to a digital slit lamp



SLM-3X
Slit lamp microscope

SLM-2X Slit lamp microscope

- The new design of high-quality micro platforms, operating handy
- International quality craftsmanship
- High eye Point, comfort, maximum 14mm spot checks greater extent of disease;
- five-step drum zoom design, easier to use. 6X, 10X, 16X, 25.6X, 40X magnification; Corneal endothelial cells can be observed under 40x
- All optical lenses are made of imported materials, anti-moisture and anti-fog coating treatment in a variety of climatic conditions, which can ensure the long-term good optical effect;
- Digital upgrade interface, you can upgrade to a digital slit lamp



SLM-1X Slit lamp microscope

Using converging optical body design, inspection process is comfortable, not fatigue due to a long time checking. 10X, 16 X magnification eyepieces, can get 10X, 16X and 25.6X.

Slit height and width can be adjusted continuously within range 1-14mm built-in four filters can be freely selected



Unique dual objective lens (1.0X, 1.6X) zoom, with high practicality
3 magnifications 10X, 16X, 25.6X;

SLM-6L/6M/6H Hand-Held Slit Lamp

- With all the functions of a desktop slit lamp, especially for migrant clinic, ward rounds to check;
- Long standby use, up more than 5 hours
- Bright white LED light bulbs, brightness ≥ 50000 lux, life of more than 50,000 hours;
- Four kinds of spot size, the smallest $\Phi 0.2$ mm, maximum $\Phi 12$ mm;
- variety of filters, Heat Absorption, Grey, Redfree, Cobalt Blue
- lightweight, weighing only 700 grams (including battery).



Optional phone camera system

Support iPhone, Samsung and other major brand mobile phones
Equipped with a dedicated camera interface, simple shooting



Forehead bracket



Correction rod



16x eyepiece
(SLM-6H only)

