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SLIT LAMP SERIES

Ophthalmic Slit Lamp Microscope
Diagnostic Unit / Digital Unit

LS-7 SLIT LAMP

EXCELLENT OPTICAL PERFORMANCE

Excellent optical performance

1.4 times resolution better than traditional one

Details like anterior chamber flare and corneal endothelial cells
can also be displayed in the extreme

PROFESSIONAL LIGHT SOURCE SYSTEM DESIGN

Warm LED Light Source

The most suitable warm yellow light source to ensure excellent color reproduction
LED can work for up to 20,000 hours, without replacement within 10 years

PWM Brightness Control

Use PWM to control the brightness of light source
Keep the color of light always stable no matter the degree of brightness

Continuous Illumination Control

A button for continuously controlling illumination on the base
Easier to operate

Filtering Infrared and Ultraviolet Light

Filtering infrared and ultraviolet light through optical lens
Reduce damage to eyes of examiners and examinees

FINE MECHANICAL DESIGN

Flexible Joystick

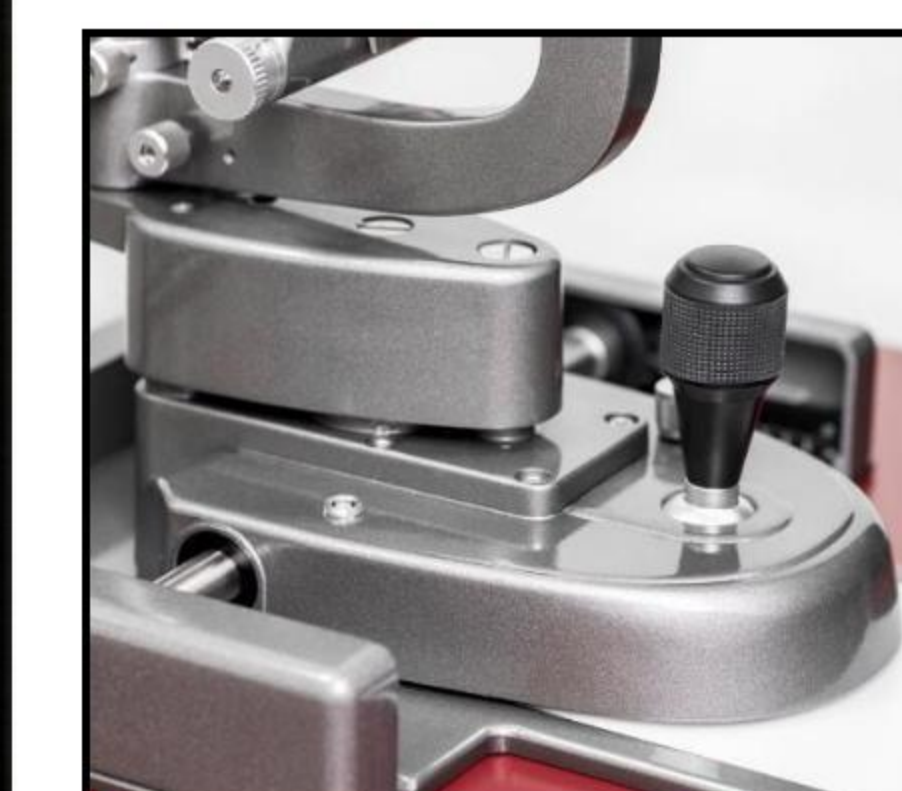
With unique separated design
Effectively counteract reaction force when sliding



HD

PMW

LED



SOFT



LS-7DE

LS-7DS

LS-7DS/LS-7DE DIGITAL SLIT LAMP

ULTIMATE EXPERIENCE OF OBSERVATION AND PHOTOGRAPHING

Perfect combination of high performance and premium experience
Wise choice for the world's top experts, laboratories and scientific research

100% BEAM SPLITTER

※ Only for LS-7DE

Eyepiece observation: 100% beam splitter
1.7 times resolution better than
traditional 4/6 beam splitter
Photo capture: 100% beam splitter
2.5 times performance of image captured
better than traditional 4/6 beam splitter

FRONT DIAPHRAGM

5-Step Diaphragms

5 Different aperture sizes
Can effectively expand the depth of field

Preliminary Design

With the design of front aperture of light
path
Consistency between eyepiece and screen

LIGHT COMPENSATION SYSTEM DESIGN

※ Only for LS-7DE

Confocal Flash Compensation

Observation light source and flash compensation light source adopt the same
optical path design, imaging on the same observation focal plane together
Can use a very weak light source to carefully check focus
Light compensation is provided to obtain high-quality images
Comfort of the examinee is greatly improved

Flash Independent + Coaxial Background Light

Realize panoramic observation before taking photos
Provide independent angle and bright supplementary light source for taking
photos
More comfortable and easier to cooperate

UPGRADED OPTICAL

Better optical effect
1.15 times optical transparency better than
traditional one

CONVERGING EYEPIECE

With angle of 6°
Better convergence and fusion effect of binocular
image
Improve the comfort of long-time use of slit lamp
extremely suitable for medical clinics and
optometrist

FILTER INFRARED FILTER ULTRAVIOLET

Filtering infrared and ultraviolet light through
optical lens
to reduce damage to eyes

LIGHT SOURCE SYSTEM

Warm LED light source, suitable for observation
of eye tissue
can work for up to 20,000 hours
Use PWM to ensure the brightness of light source
stable all the time
Continuous illumination control to make it more
convenient to operate, brightness can be
adjusted as needed



LS-9 SLIT LAMP



LS-8
SLIT LAMP

UPGRADED OPTICAL

Better optical effect
1.15 times optical transparency better than
traditional one

CONVERGING EYEPIECE

With angle of 6°
Better convergence and fusion effect of binocular
image
Improve the comfort of long-time use of slit lamp
Extremely suitable for medical clinics and
optometrist

DELICATE VOLUME

Zeiss type with small size

LIGHT SOURCE SYSTEM

Warm LED light source, suitable for observation of
eye tissue, can work for up to 20,000 hours
Use PWM to ensure the brightness of light source
stable all the time
Continuous illumination control to make it more
convenient to operate, brightness can be adjusted
as needed



LS-3/4 SLIT LAMP

PARALLEL TYPE, GALILEAN SYSTEM

Stereoscopic binocular fusion
Can upgrade to teaching slit lamp and digital slit lamp

MAGNIFICATION CHANGER: REVOLVING DRUM

LS-3: 10x, 16x, 25X, 3-step magnification
LS-4: 6x, 10x, 16x, 25X, 40X, 5-step magnification

LIGHT SOURCE SYSTEM UPGRADE

Warm LED light source, suitable for eye tissue for 20,000 hours
Use PWM to ensure the brightness of light source stable
Continuous illumination control makes it more convenient to operate

LS-5 DIGITAL SLIT LAMP



ADAPTIVE PARAMETERS

One key shooting can easily obtain high-quality image
without heavy training of exposure, ISO, shutter speed and other parameters

MANAGEMENT SOFTWARE

More clear and direct to manage patients' information
One key export is supported, making it easier to transfer data

DATA SHARING

With abundant image processing functions to meet various clinical needs
DICOM, HIS/PACS is supported

OPTIONAL



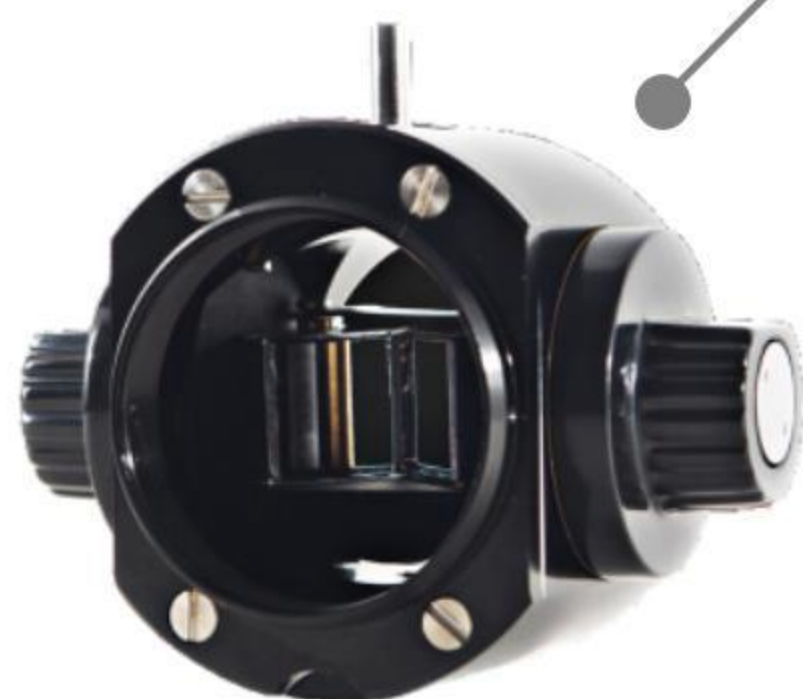
YELLOW FILTER I . MODE

Special Coating Technology
Excellent Dyeing Effect
For LS-7 / 7DS / 7DE



YELLOW FILTER II . MODE

Special Coating Technology
Excellent Dyeing Effect
For LS-3 / 4 / 5



STEREO VARIATOR

For Fundus Observation
Binocular Observation Angle from 13° to 4.5°
Twice stereoscopic field Increased
Maintaining depth information
For LS-7

SPECIFICATION

ITEM	LS-3	LS-4	LS-5	LS-8	LS-9	LS-7	LS-7DS	LS-7DE
Microscope Type	Galilean Dystem							
Magnification Changer	Revolving Drum							
Eyepiece Magnification	12.5X							
Slit Width	0mm~14mm Continuously Adjustable							
Slit Length	1mm~14mm Continuously Adjustable							
Slit Angle	0~180°Continuously Adjustable							
Filter	Heat Aborption, Grey, Redfree (Green), Cobalt Blue							
Light Control	PWM: Pulse Width Modulation							
Light Source	Warm LED							
Optical Effect	Basic Series			Upgrade Series			Ultimate Series	
Magnification	10X, 16X, 25X	6X, 10X, 16X, 25X, 40X		6.25X, 10X, 16X, 25X, 40X			6.3X, 10X, 16X, 25X, 40X	
Diopter	±7D			±8D			±7D	
Pupil Range	52mm-85mm			45mm-82mm			48mm-78mm	
Visual Field Diameter	6X:33mm; 10X:22mm; 16X:14mm; 25X:8.5mm; 40X:5.5mm			6.25X:33mm; 10X:22mm; 16X:14mm; 25X:8.6mm; 40X:5.6mm			6.3X:31mm; 10X:22mm; 16X:14mm; 25X:8.5mm; 40X:5.5mm	
Illumination Type	Haag-Streit Type			Zeiss type	Haag-Streit Type			
Illumination Tilting	5°,10°,15°,20°			/	5°,10°,15°,20°			
Slit Aperture Size	φ 0.2, φ 1, φ 3, φ 5, φ 10, φ 14 (mm)			φ 0.2, φ 1, φ 2, φ 5, φ 10, φ 14 (mm)				
Filter	None			Filter Infrared, Filter Ultraviolet				
Handle Operation	None			Slider Flexible Design				
Aperture Position	/	/	None	/	/	/	Beam Splitter Design	
Eyepiece Luminous Rate	/	/	60%	/	/	/	60%	100%
Camera Luminous Rate	/	/	40%	/	/	/	40%	100%
Flash System	/	/	None	/	/	/	None	Synchronous Flash System
Background Illumination	/	/	Co-Axial	/	/	/	Co-Axial	Co-Axial + Independent