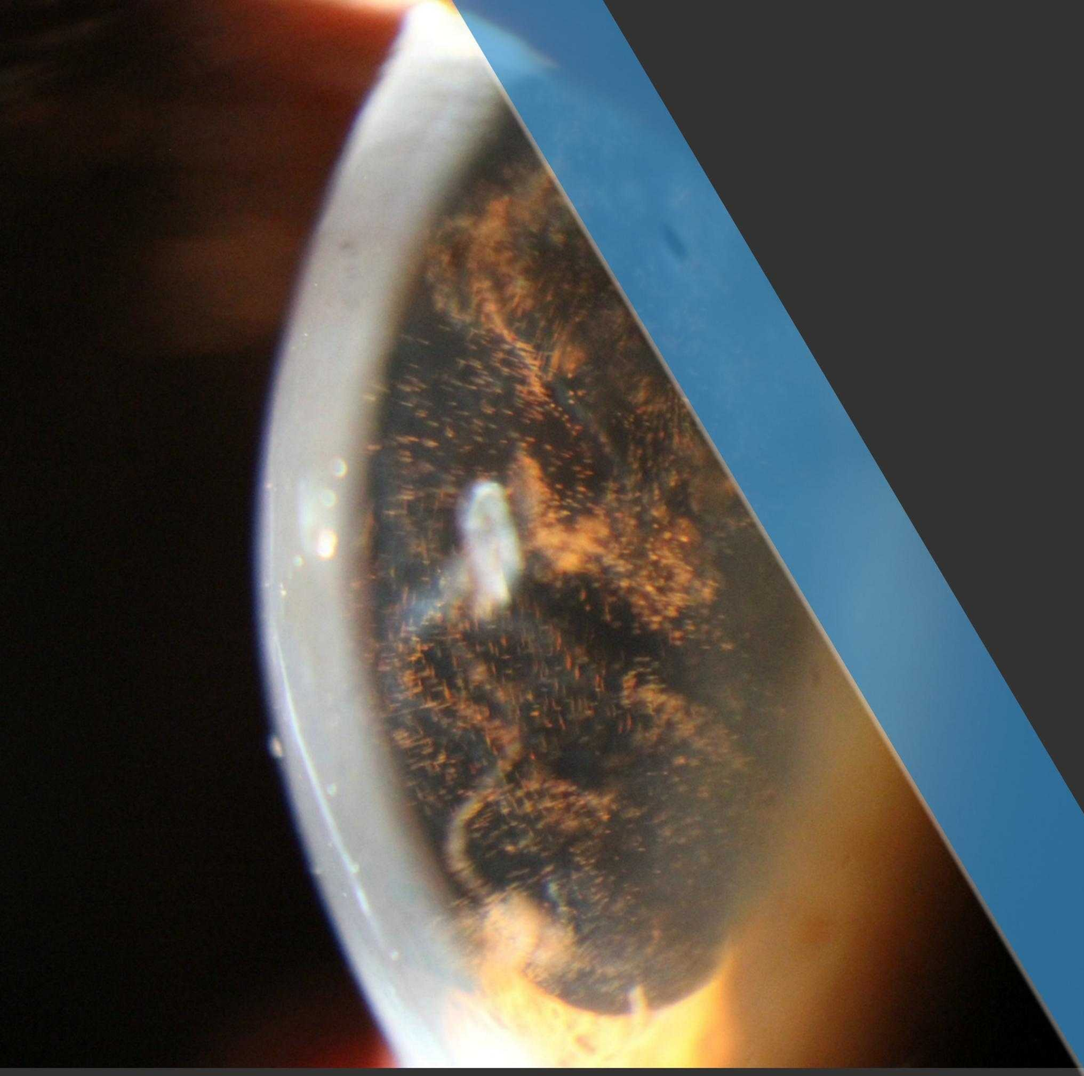


SLIT LAMP SERIES

Ophthalmic Slit Lamp Microscope

Diagnostic Unit / Digital Unit

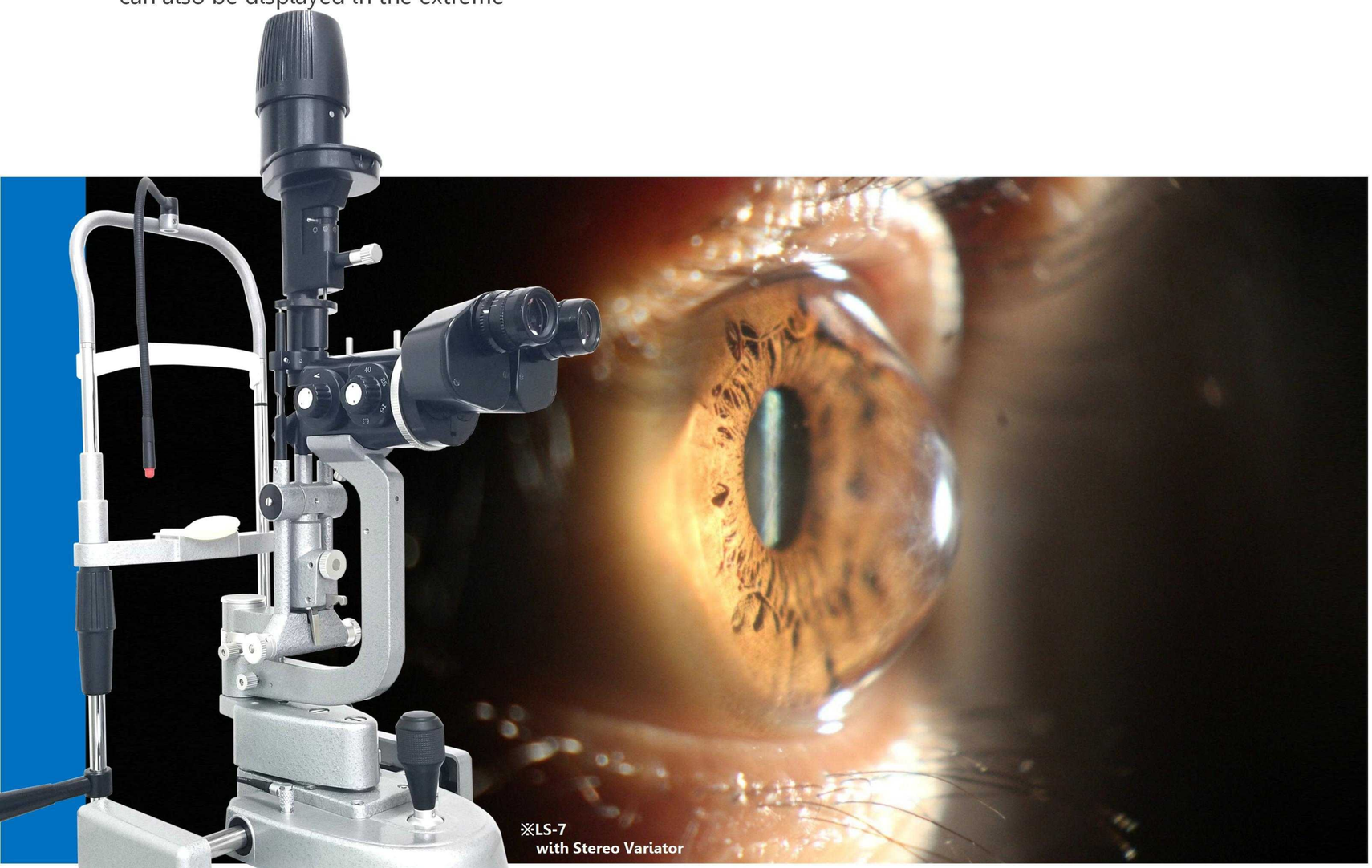
TECNOIMAGEN

www.tecnoimagen.com.ar | 11-4582-2222

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



※LS-7
with Stereo Variator

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 withthin 10 years

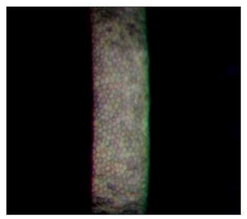
PMW Brightness Control
Use PMW to control the brightness of light source
Keep the color of light always stable no matter the degree of brightness

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-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

DA-1 SERIES
DRY-EYE + SLIT-LAMP

MULTI-PURPOSE IN ONE

slit-lamp with dry-eye analyzer,enrich checkup program.

PROFESSIONAL DRY-EYE ANALYZER

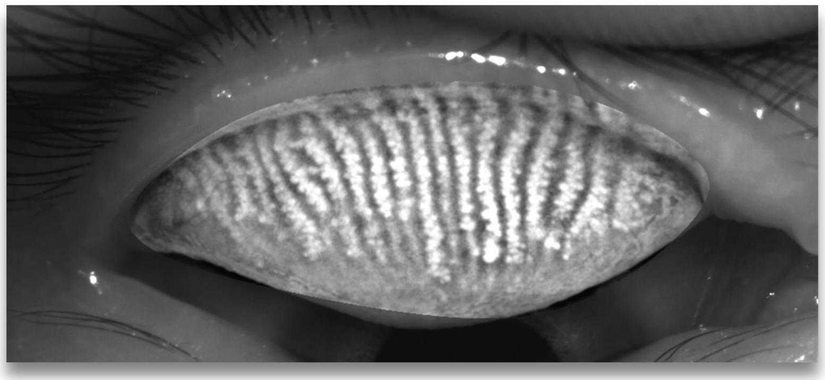
Provide tear film rupture time, tear river height, lipid layer, ocular redness, gland opening, meibomian gland, corneal staining, to provide a reliable multi-dimensional basis for clinical diagnosis.

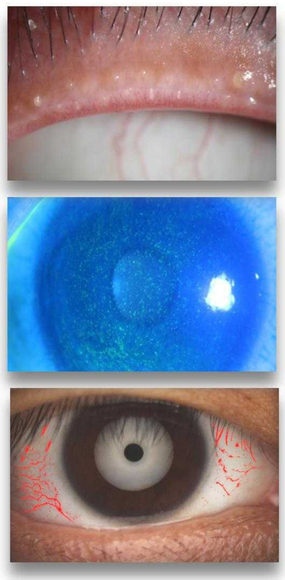
AUTOMATIC, QUANTITATIVE ANALYSIS

Use AI algorithms to analyze images and video recordings with extremely high accuracy and repeatability. Analysis process is automatic,results can be quantified. Provide strong basis for the progress follow-up of dry-eye treatment.

MULTIPLE REPORTS

With sufficient images and numerical values.





MULTIPLE MATCHING SLIT LAMPS AVAILABLE

Various series of digital slit lamps are optional to meet different clinical examination needs.

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 PMW 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-9C DIGITAL SLIT LAMP

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

UPGRADED OPTICAL

Better optical effect
1.15 times optical transparency better than traditional one

BUILT-IN YELLOW FILTER

Special Coating Technology
Excellent Dyeing Effect

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

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 PMW 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-8 SLIT LAMP

LS-8C DIGITAL SLIT LAMP

CCD CAPTURE

Independent disign and deveopment with 6.3MP
Crafted design, rich function,oriented details

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

UPGRADED OPTICAL

Better optical effect
1.15 times optical transparency better than
traditional one

BUILT-IN YELLOW FILTER

Special Coating Technology
Excellent Dyeing Effect

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

LS-3/4
SLIT LAMP

LS-5
DIGITAL
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 PMW to ensure the brightness of light source stable
Continuous illumination control makes it more convenient to operate

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

LS-1A/B PORTABLE SLIT LAMP

EXCELLENT OPTICAL QUALITY

Especially fit for children, ward round, screening

BIG SLIT ANGLE

Illumination angle max. up to be 60°, can get better slit view for cornea etc.

WIDE VISUAL FIELD

50% higher field of view than traditional design and a wider observation range

ONE-HAND OPERATION

Easily adjust observation magnification during the inspection, help doctors quickly find the lesion in a larger field of vision and transfer to a higher magnification for better observation

WARM LED

Warm light for better clinical observation of eye tissues and LED light source for longer and safer use

SPECIFICATION

ITEM	LS-3	LS-4	LS-5C	LS-8	LS-8C	LS-9	LS-9C	LS-7	LS-7DS	LS-7DE
Microscope Type	Galilean Dystem									
Magnification Changer	Revolving Drum									
Eyepiece Magnification	12.5X									
Slit Angle	0～180°Continuously Adjustable									
Filter	Heat Aborption, Grey, Redfree (Green), Cobalt Blue									
Light Control	PMW: Pulse Width Modulation									
Light Source	Warm LED									
Optical Effect	Basic Series			Upgrade Series				Ultimate Series		
Magnification	10X，16X，25X	6X，10X，16X，25X，40X						6.3X，10X，16X，25X，40X		
Diopter	±7D			±8D				±7D		
Visual Field Diameter	6X:33mm；10X:22mm；16X:14mm；25X:8.5mm；40X:5.5mm			6X: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 Width	0mm～14mm Continuously Adjustable			0mm～15mm Continuously Adjustable						
Slit Length	1mm～14mm Continuously Adjustable			1mm～15mm Continuously Adjustable						
Slit Aperture Size	Φ0.2，Φ1，Φ3，Φ5，Φ10，Φ14（mm）			Φ0.2，Φ1，Φ2，Φ5，Φ10，Φ15（mm）						
UV&IR Filter	None					Built-In				
Yellow Filter	Optional			None	Built-In	None	Built-In	Optional		
Handle Operation	Normal Design			Slider Flexible Design						
Image Acquisition			CCD		CCD		CCD		CCD	SLR
Aperture Position	/	/	None	/	Beam Splitter	/	Beam Splitter	/	Beam Splitter	
Eyepiece Luminous Rate	/	/	60%	/	60%	/	60%	/	60%	100%
Camera Luminous Rate	/	/	40%	/	40%	/	40%	/	40%	100%
Flash System	/	/	None	/	None	/	None	/	None	Synchronous Flash System
Background Illumination	/	/	Co-Axial	/	None	/	Co-Axial	/	Co-Axial	Co-Axial + Independent