

# LS Series Ophthalmic Slit Lamp Microscope

## Technical Parameter Sheet



# Ophthalmic Slit Lamp Microscope

Specification	Model	LS-3	LS-4	LS-5	LS-7	LS-7 Plus DS	LS-7 Plus DE	
Microscope Type	Microscope Type	Parallel type, Galilean system						
	Magnification Changer	Revolving drum						
	Eyepiece Magnification	12.5 X						
	Diopter	-7D ~ +7D						
	Pupil Range	52mm-82mm						
	Magnification	10X.16X.25X	6X 10X 16X 25X 40X		6.3X 10X 16X 25X 40X			
	Visual Field Diameter	6X:33mm 10X:22mm 16X:14mm 25X:8.5mm 40X:5.5mm			6.3X:31mm 10X:22mm 16X:14mm 25X:8.5mm 40X:5.5mm			
Illumination System	Illumination Type	Haag Streit Type						
	Light Source	LED						
	Brightness	Continuously adjustable						
	Slit image width	0mm~14mm continuously adjustable						
	Slit image length	1mm~14mm continuously adjustable						
	Slit image angel	0~180°continuously adjustable						
	Illumination tilting	5° 10° 15° 20°						
	Filter	Heat absorption, Grey, Redfree (green), Cobalt blue						
	Fixation	Red LED 3.5V						
	Max Illumination Intensity	≥ 600000Lux						
	Slit aperture size	Φ14、Φ10、Φ5 Φ3、Φ1、Φ0.2(mm) & 1~14mm continuously			Φ14、Φ10、Φ5 Φ2、Φ1、Φ0.2 (mm) & 1~14mm continuously			
Imaging system	Image collector	/		DSLR	/	DSLR		
	Image resolution	/		Max.18 mega pixels	/	Max.18 mega pixels		
	Background illumination	/		Co-axial	/	Co-axial	Independent	
	Flash system	None					Synchronous Flash System	
	Beam splitter type	/	/	40% to camera 60% to eyepiece	/	40% to camera 60% to eyepiece	100% to camera 100% to eyepiece	
	Aperture	None					Yes	
	Real-time Video Recording	/		Yes	/	Yes		
	Software	/		Same as LS-7 digital system	/	1.Patient information management 2.Camera parameter control 3.Image process 4.Auto recognize OD/OS"		
Power Supply	Input voltage	100V ~ 240V 48~62Hz						
	Input power	70VA		300VA	70VA	300VA		



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Official Distributor

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 ΟΦΘΑΛΜΟΛΟΓΙΚΑ ΜΗΧΑΝΗΜΑΤΑ

**LS-7 Ophthalmic Slit Lamp Microscope**  
**Diagnostic Unit**



**Main Characteristic:**

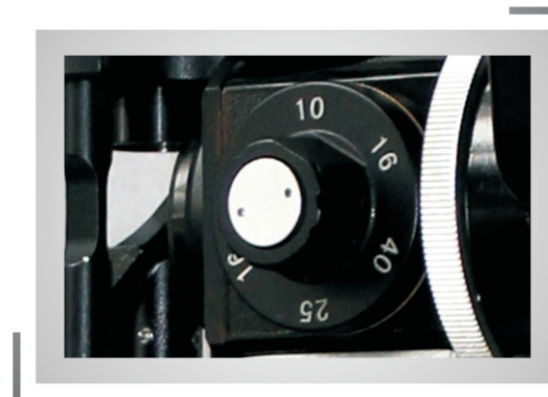
- ▶ New designed optical system with extremely high resolution. Clear observation of corneal endothelial cells and cytopathy such as anterior chamber flare
- ▶ High-point eyepiece which is more comfortable to observe; 14mm light spot is convenient to check bigger scope of eye disease.
- ▶ High optical transparency, Doctor can observe lesion with weak illumination which will reduce damage to patients and doctors' eye.
- ▶ Filter configured: Infrared and ultraviolet light removed
- ▶ LED illumination: European LED light source, downier light, better patient conformity and longer life time which can work 50 thousand hours.
- ▶ Professional designed on stability: Steel pedestal which can ensure inching operation stability



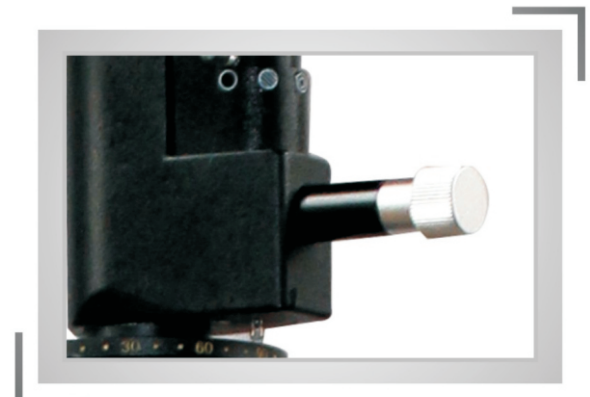
LED Illumination Resource



High Definition Eyepiece



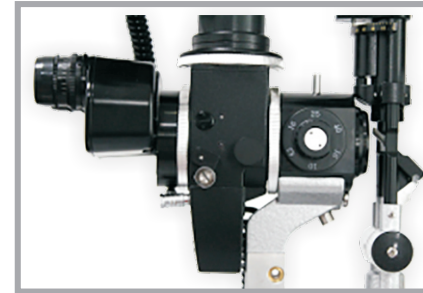
Revolving Five Steps(6.3X 10X 16X 25X 40X)



UV & IR filter Embedded in Illumination arm

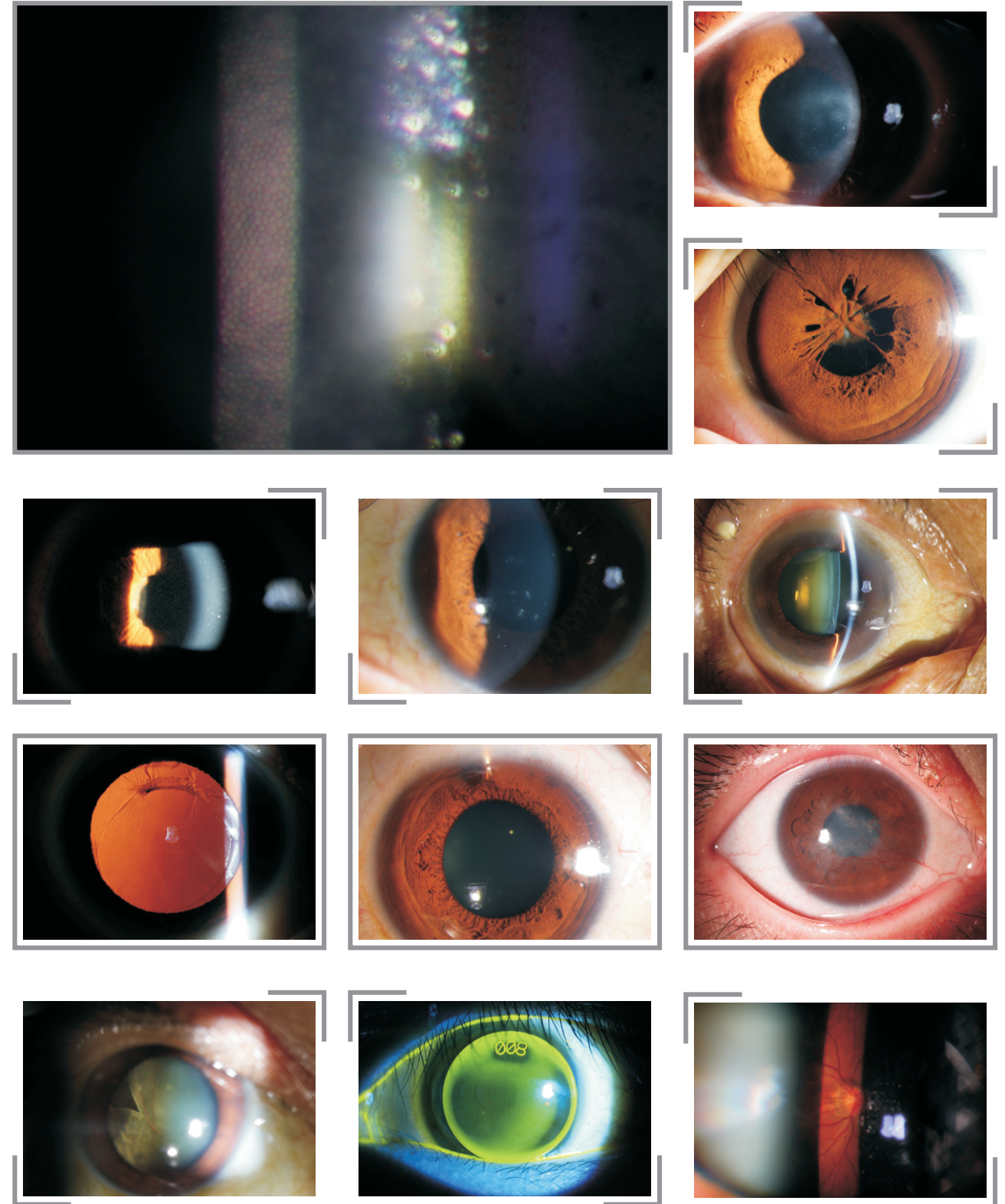


*LS-7 Ophthalmic Slit Lamp Microscope  
Professional Digital Units for Experts*



Configuration:  
 LS-7 Plus DS Imaging system : No flash system, with 4/6 Beam splitter, Co-axial background illumination system  
 LS-7 Plus DE Imaging system: With Flash system, 100% light to observer and 100% light to camera when capture button pressed, independent background illumination

*LS-7 Imaging Gallery*





**LS-3**  
Slit Lamp Microscope with 3 Step  
Magnification – 10X 16X 25X

**LS-4**  
Slit Lamp Microscope with 5 Step  
Magnification –  
6X 10X 16X 25X 40X



★**Main Characteristic:**

- ▶ Parallel type, Galilean system
- ▶ Warm LED light source, no heat, long life time
- ▶ Brightness control continuously
- ▶ With broad beam, wide field and high depth of field
- ▶ Interface for laser and applanation tonometer reserved

**LS-5 Digital Slit Lamp With DSLR**  
**Top Ophthalmic Photographer**



**Why LS-5 Digital slit lamp became a hot sale?**

- \*Outstanding Optic Quality Ensure the Comfortable View
- \*Precision Machining Makes the Smooth and Flexible Movement
- \*Professional & Multi-functional Software With Simple Humanized Human-computer Interface & Easy Operate
- Have both image capturing function and video capturing function
- Image processing for better Symptoms Diagnose
- Backup patient database easily to guarantee data safety
- \*Highest Quality Images Captured Which Impressive Every User
- \*A special designed black cross in right eyepiece which enable to synchronise the image sharpness in eyepiece and LCD. Ensure what you see, what you get.