Clinical Slit Lamps
CSL-8U

1. Lamp Cap Plug
2. LED / Halogen Cover
3. Aperture Window / Slit Height
4. 12.5x Eyepieces
5. Prism Box
6. Microscope Fixation Screw
7. Slit Height Control Knob
8. Magnification Select Dial
9. Accessory Camera Mount
10. Inclination Lever
11. Microscope Arm Locking Knob
12. Joystick (Camera Freeze & Capture)
13. Slit Width Control Knob
14. Base Locking Screw
15. Fixation Target
16. Filter Selection Lever / Display Mark
17. Aperture & Filter Selection Dial
18. Headrest
19. Reflective Mirror
20. Chinrest
21. The Fixation Knob of Chinrest Paper
22. Center Knob
23. Chinrest Elevation Adjustment Knob
24. The Mark of Microscope Arm
25. Microscope Arm Locking Knob
26. Patient’s Handle
27. Wheel Shields
28. Work Table
**Features:**

- The German ergonomic design of CSL-8U provides a clear and detailed illumination and observations for patients’ eye.
- The CSL-8U takes professional 24 megapixel quality images with high quality sensor and simple connection system of USB. *(Optional)*
- Easily to capture sharp digital photos of anterior and posterior segment: cornea, sclera, iris, lens and retina.
- The CSL-8U offers a 5 steps drum magnification.
- CSL-8U has an oblique illumination used for sectional or fundus examination using contact lens.
- CSL-8U features an operation illumination unit, rotating slit image from 0mm to 14mm, can change the aperture & slight height, filter selection and diffusion lens.

**Product Introduction**

**CSL-8U** A classic style and outstanding converging stereoscope optics, complete with moisture, mildew proof lenses and a three step drum magnification system.

**CSL-8U** halogen bulb (12V / 30W) provides a steady lighting for observation, and optimum color rendition which allows maximum illumination during the observation.

A key feature of the CSL 8U is the manoeuvred cross slide joystick offered with a high precision focus control and repeatability measurements for multiple fixation points.

**CSL-8U** slit lamps examinations provides a stereoscopic magnified view of the eye structures in details with built in filters.

**CSL-8U** features an operation illumination unit, rotating slit image from 0mm to 14mm, can change the aperture & slight height, filter selection and diffusion lens.

This optional high performance camera can capture and record the smallest details while conducting a slit lamp examination.

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**CSL-8U** Clinal Slit Lamps

Built in Beam Splitter for Digital Cameras

LED Magnification Ratio 6x 10x 16x 25x 40x
**Microscope**

- **Type**: Galilean magnification changer with converging
- **Model of Magnifying**: 5 steps by drum rotation
- **Eyepieces**: 12.5x
- **Total Magnification Rate**: 6x, 10x, 16x, 25x, 40 (standard configuration)
- **Angle between eyepieces**: 13°
- **Range of P.D. Adjustment**: 55mm to 82mm
- **Dioptr adjustment**: ±6D
- **Field of view**: (Ø33mm), (Ø22.5mm), (Ø14mm), (Ø8.8mm), (Ø5.5mm)

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**Illumination**

- **Slit Width**: Continuously variable from 0 mm to 14 mm (at 14mm, slit becomes a circle)
- **Slit Height**: Continuously variable from 1 mm to 14mm
- **Aperture Diameter**: Ø14mm, Ø10mm, Ø5mm, Ø2mm, Ø1mm, Ø0.2mm
- **Slit Angle**: 0° to 180° continuously adjustable from vertical to horizontal
- **Slit Inclination**: Four Steps: 5°, 10°, 15°, 20°
- **Filter Piece**: Heat-absorption, gray, red-free, and blue
- **Illumination Bulb**: 12V / 30W halogen bulb

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**Movement Base**

- **Fore and Back Movement**: 90 mm
- **Left and Right Movement**: 100 mm
- **Fine Movement**: 15mm
- **Vertical Movement**: 30 mm

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**Chin-Rest Parts**

- **Vertical Movement**: 80 mm
- **Fixation Target**: Red LED

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**Power Source**

- **Input Voltage**: 220V / 100 ~ ±10%
- **Input Frequency**: 50 / 60 Hz ± 1Hz
- **Input Power**: 58 VA (max)
- **Output Voltage**: Illumination bulb 7.2V, 11.6V Fixation target 7.2V
- **Electrical Safe Standard**: Conform to Standard IEC601-1, Class I Type B

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**Dimensions and Weight**

- **Packing Box**: 720mm x 495mm x 480mm
- **Total Weight**: 24 Kg
- **Net Weight**: 21 Kg