

ADVANCED BIOLOGICAL MICROSCOPE SKC SERIES

SUSWOX
OPTIK



Monocular



Binocular



Trinocular





SKC SERIES

SKC Series Biological Microscope becomes a new landmark in our company. Ergonomic design makes users feel comfortable even after long-time operations. Equipped with high-contrast, chromatic-free semi-plan objectives, Our TORQ microscopes can present users a sharp & clear image. The newly designed mechanical stage can make operators observe specimens with smooth motion.

General Technical Data

Body-

Robust mould, ergonomic design sturdy body with all critical movements based on ball bearing and wire guides ensuring smooth and precise motion

Eyepiece-

High Eye Point, Chromatic Corrected, Wide Field WF10X with FOV 18/20mm with diopter adjustment on one eyepieces (± 5)

Viewing Head-

Binocular/Trinocular Head (30/45 deg inclined)/ 360 deg rotatable with inter-pupillary distance 54 to 75mm, 2-position splitting ratio (for trinocular)

Condenser-

Abbe condenser with iris diaphragm and filter slot

Objectives-

Semi-Plan/ Plan Achromatic

- 4X, N.A.
- 10X, N.A.
- 40X, N.A.
- 100X, N.A.

Optical system-

Finite optical system, multi-layered hard-coated, colour-corrected, tropicalised anti-fungal, anti-bacterial Coated, anti-reflection coated

Mechanical stage-

Right/left-hand control, hard-coated surface 145(X)x 125(Y)mm, low position coaxial movement, Travel range 50(X)x 80(Y)mm & vernier scale X-Y axis, precision:0.1mm

Nosepiece- Dust Protected Quadruple with ball-Bearing mechanism Rubber grip & Positive Click Stop

Illumination-

Fixed/Koehler 3w/5W/10W LED with life hrs 50,000 or Halogen lamp 6v 20 w/12v 30 w light, intensity adjustable, centre presetting

Focusing-

Coaxial (low position), both side, coarse & Fine with tension control & upper limit stopper Coarse Range 18-30mm, fine Div. 0.02mm/0.01mm per rotation (Rack&Pinion)

Power Supply-

90V-240V/50Hz AC, SMPS, transformer

Certification - CE, ISI, ISO

Optional Accesories

- Rackless stage
- Double Plate Mechanical Stage
- Plan 20x & 60x objectives
- Plan darkfield objectives
- Object micrometer slide
- Pointer eyepiece, Micrometer eyepiece etc.
- Wooden case
- Battery Backup upto 2 hrs
- Long life LED upto 1 Lac hrs
- Multi Head Attachment
- H 10x/15x/20x Eyepiece
- Phase contrast- Turrent (4/5/6 position) or slider (2 position)
- Darkfield- N.A. 1.25(oil/dry) with iris diaphragm & filter slot
- Polarizing- Set of Analyser & Polarizer C-mount- 0.35X/0.5X/0.66X/1X Focusing for camera attachment
- Lock Mechanism for safety
- Element Displayer with Intensity Displayer

Standard Accesories

- Vinyl Cover
- 10ml. immersion oil
- Blue or white Filter
- Cleaning tissue Paper
- Power Cable plug holder at back

High Proformance Certificate

- Heating Stage
- Teaching Head
- Micro Photography
- Image Analysis softwares
- Infinity corrected system
- Plan Objectives
- Fluorescent Unit
- Apochromatic Objectives





High point view & Wide field Eyepieces



New WF10X/18mm or WF10X/16mm Wide field Eyepieces, Each eyepiece allows diopter adjustment to suit different users. diopter adjustment range D-8 to +5. And easy to find objectives by wide field vision. High Point View, can effectively prevent the observation of eyes met the eyepiece, Also suit for people wear glasses



360 Degree Rotable binocular head. Interpupillary distance adjustment: 54mm-74mm.

Working stage & Nosepieces

New-Designed single layer mechanical working stage, Size: 145x125 mm, adjust by right side. Can make fast contrast analysis, Moving range: 70 X 55mm Forward Quadruple/Quintuple Nosepiece



Focusing System & Condensor

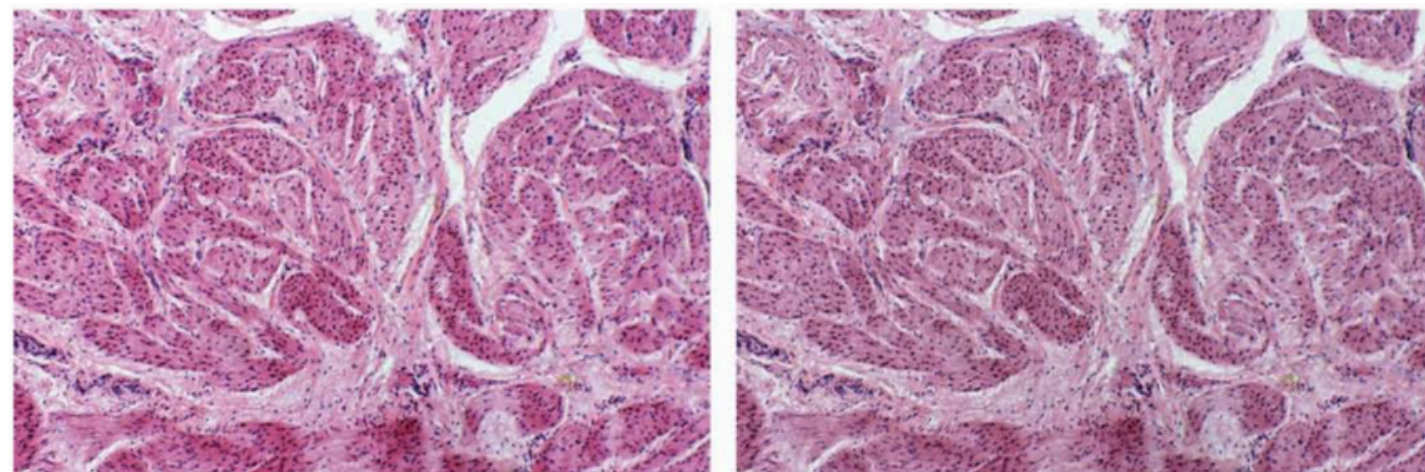
Focusing System using Precision metal cog-wheel gearing. Coarse Adjustment range 0.002mm. With Focus Lock Mechanism



Kohler Illumination Condensor

N.A. 1.25 Kohler Illumination Condensor with diaphragm. Moving by Precision metal cog-wheel gearing





40X objective (new)

40X objective (old)

Bright Field View

SKC Series has Excellent optical system, Configured High Contrast Semi-Plan Achromatic Objectives, and Standard Koehler illumination can provide perfect images, from low to high magnifications.

New Full Semi Plan Achromatic Objectives

New-Designed High Contrast Semi Plan Achromatic Objectives, improve Resolution and definition of images



Accessories

Trinocular Viewing Head

SKC-440 Ti can be connected to the camera devices, through Trinocular Viewing Head. The images can be output to PC, to Images analysis, processing, storage and transmission



Dark Field View

Insert the dark field plate into condensor, move the Diaphragm to the optical path, then simple dark field view presented



Simple Phase Contrast

Insert the phase contrast plate into condensor, move the suitable plate to the optical path, then simple phase contrast view presented



DATASHEET

ITEMS	SPECIFICATION	SKC-200	SKC-CXLed	SKC-440 Ti
Eyepiece	Eyepiece -WF 10 X /18 mm	●	●	●
	WF 10X/20 mm	○	○	○
	WF 10X/16 mm	○	○	○
Objective	Plan Achromatic 4X, 10X, 40X (S), 100 X (S, OIL)	●	●	●
	Infinity Plan Achromatic 4X, 10X, 40X (S), 100 X (S, OIL)	○	○	○
Viewing Head	Monocular Head, Inclined 45°, Rotatable 360°	●		
	Binocular Head, Inclined 45°, Rotatable 360°, Interpupillary Distance: 54 -74 mm		●	
	Trinocular Head, Inclined 45°, Rotatable 360°, Interpupillary Distance: 54 -74 mm			●
Nosepiece	Quadruple	●	●	●
	Quintuple	○	○	○
Mechanical Stage	Single Layer Mechanical Stage Size: 140x125mm, Moving range: 50x60mm	●	●	●
	Mechanical Stage Double Layer Mechanical Stage Size: 140x140mm, Moving range: 75x50mm	○	○	○
Condenser	Condenser Abbe Condenser N.A 1.25 with Iris Diaphragm	●	●	●
Focusing	Coaxial Coarse and Fine Adjustment, Coarse Focusing Range 30mm, Fine Focusing Interval 2um	●	●	●
Illumination	LED 3 watt	●	●	●
	LED 5 watt	○	○	○

Note: ●Standard Outfit ○ Optional Outfit



▲ SKC-200



▲ SKC-CXLed



▲ SKC- 440 Ti

