



SUSWOX
OPTIK

SKC APEX





APEX SERIES MICROSCOPE

APEX Series Biological Microscope becomes a new landmark in our company. Ergonomic design makes users feel comfortable even after long-time operation. Equipped with High Contrast Chromatic-free Infinity Plan Objectives, our IR Microscopes can present users sharp & clear image. Newly-designed mechanical stage can make operators observe 2 specimen at the same time.

APEX Series Characteristics

- Using infinite optical system
- New designed High contrast Full plan objectives, Indicate excellent images
- Configured with Wide Field eyepiece. Each eyepiece allows diopter adjustment to suit different users .
- The overall design of main body is ergonomic design, It makes user more comfortable
- New large stage with graphite coating on surface
- Standard Kohler illumination, Using LED lights, has long using life.
- Optional upgrades: Dark Field, Phase contrast, fluorescence, and polarisation unit can be assembled





High point view & Wide field Eyepieces



New WF10X/20mm WF10X/22mm Series High point view & 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

Working stage & Nosepieces

New-Designed large graphite coating double layer mechanical working stage, Size: 216mmx 150mm, adjust by right side. Can make fast contrast analysis by watching two slides at same time, Moving range: /6 X 55mm
Backward Quadruple/Quintuple Nosepiece



Focusing System & Condensor

Focusing System using Precision metal cog-wheel gearing. Coarse Adjustment range 0.002mm



Rotable Binocular Viewing Head

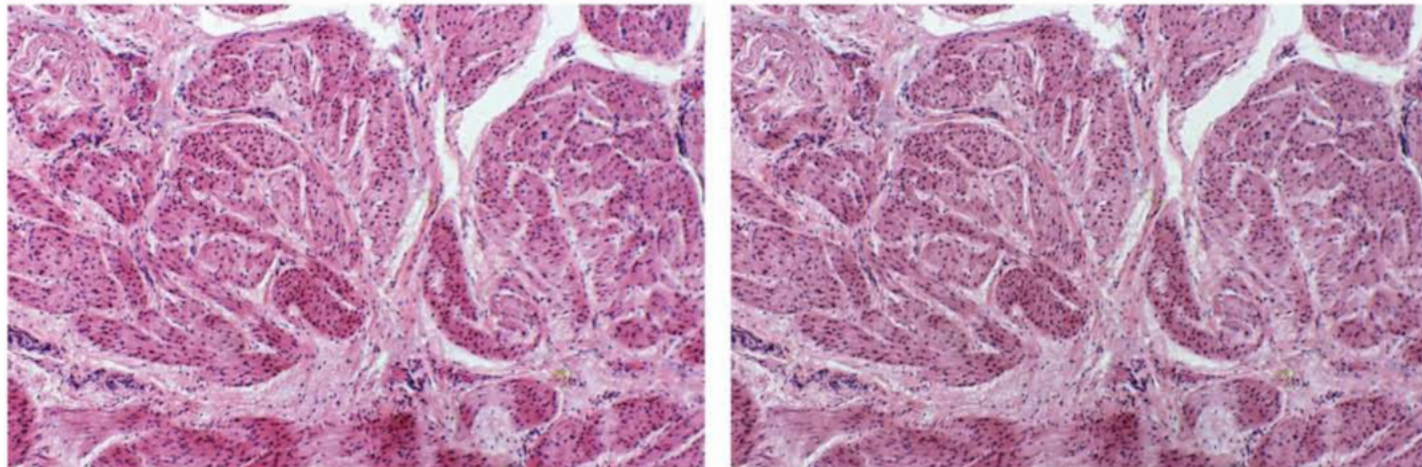


360 Degree Rotable binocular head. Interpupillary distance adjustment:48mm-75mm.

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

APEX Excellent optical system, configured high-contrast full-plan achromatic objectives, and standard Kohler illumination can provide perfect images, from low to high magnifications.



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

Trinocular Viewing Head

SKC 400 IR 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



New WF Series Eyepieces

Series High point view&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.



WF10X/22mm

WF15X/16mm

New Full Plan Achromatic Objectives

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



Technical Specification



Specification	APEX	APEX - T
Head	Siedentopf Binocular Head, 45° inclined, 360° rotatable, IPD 52-76 mm, left diopter adjustment ±5	
Eyeiece	PL 10× / 22 mm	
Infinity Achromatic Objectives	Optional	Optional
• 4× / NA 0.10, W.D. 43.07 mm	○	○
• 10× / NA 0.25, W.D. 6.78 mm	○	○
• 20× / NA 0.40, W.D. 2.67 mm	○	○
• 40× / NA 0.65 (Spring), W.D. 0.65 mm	○	○
• 60× / NA 0.85 (Spring), W.D. 0.30 mm	○	○
• 100× / NA 1.25 (Spring, Oil), W.D. 0.19 mm	○	○
Infinity Plan Achromatic Objectives		
• 4× / NA 0.10, W.D. 19.37 mm	●	●
• 10× / NA 0.25, W.D. 15.86 mm	●	●
• 20× / NA 0.40, W.D. 1.04 mm	○	○
• 40× / NA 0.65, W.D. 0.67 mm	●	●
• LWD 40× / NA 0.68 (Spring), W.D. 2.8 mm	○	○
• 60× / NA 0.80 (Spring), W.D. 0.50 mm	○	○
• 100× / NA 1.25 (Spring, Oil), W.D. 0.25 mm	●	●
Nosepiece	Inward Quadruple Revolving Nosepiece	Inward Quadruple Revolving Nosepiece
Stage	Double-layer Mechanical Stage (175 × 145 mm), X-Y Travel 70 × 50 mm with Vernier Scale	Same
Condenser	Abbe Condenser NA 1.25 with Iris Diaphragm	Same
Focusing	Coaxial Coarse & Fine Focusing, Fine Division 0.002 mm	Same
Transmitted Illumination	5 W LED with Brightness Control & Iris Diaphragm	Same
Filters	Blue, Green, Yellow, Ground Glass (Optional)	Blue, Green, Yellow, Ground Glass (Optional)
Camera Adapter	0.3×, 0.4× & 0.75× C-Mount (Optional)	0.3×, 0.4× & 0.75× C-Mount (Optional)
Power Supply	AC 100-240 V, 50/60 Hz, Output DC 12 V / 1 A	AC 100-240 V, 50/60 Hz, Output DC 12 V / 1 A

