LABMICRO

8553545575 / 8050259428
contact@labmicro.in
www.labmicro.in

Research Fluorescence Microscope, Semi-APO, Upgrade BF+DF+PL+PH+FL+DIC

Shop No.1, Basement floor, Best Apartments, Dr. Arunachalam Road, 5th Stage BEML Layout, Rajarajeshwari Nagar, Bengaluru - 560 098

- **Infinity Plan Semi-APO Fluorescent Microscope, Upgrade BF+DF+PL+PH+FL+DIC, Metallurgical**
- **Trinocular Head With Inverted/Erect Image, Three Split Ratio E100:P0/E20:P80/E0:P100**
- **Super Wide Field Plan Eyepiece 10x/25mm, 10x/26.5mm & Infinity Plan Semi-APO Fluorescent 4x,10x,20x,40x,100x**
- **Transmit Light 12V100W Halogen, Digital Dimming System With Light Indicator, Brightness Set & Reset Function**
- **Reflect 100W Mecury Lamp Fluorescent Khohler Illumination With Fluorescent Filter B,G,UV,**

SLV-61i
Research Scientific Laboratory Microscope,
Semi-APO, Upgrade BF+DF+PL+PH+FL+DIC

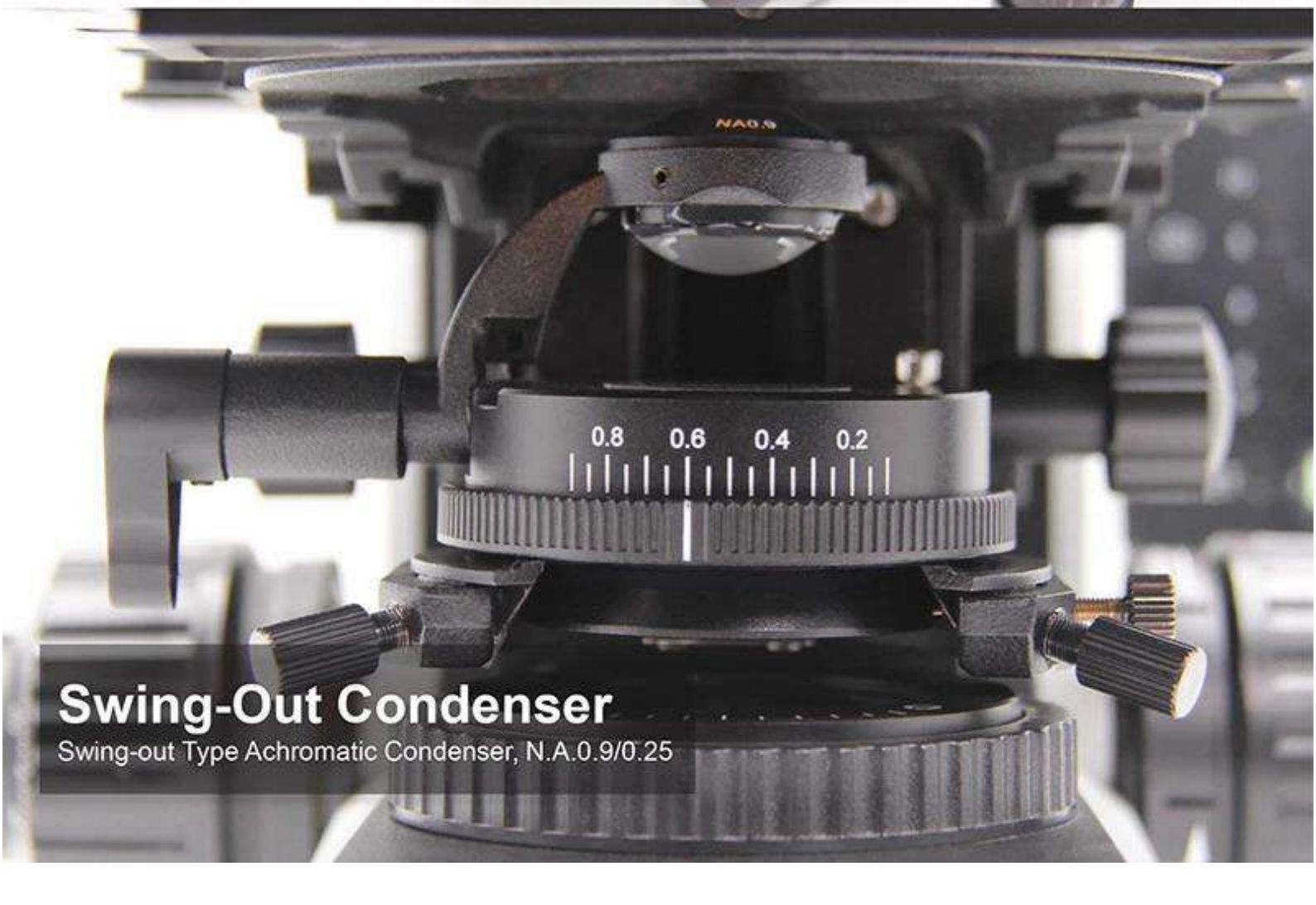
SLV- 60im
Upright Metallurgical Microscope,
Semi-APO, BF+DF+PL+DIC

SLV-61i FL
Research Fluorescence Microscope,
Semi-APO, Upgrade BF+DF+PL+PH+FL+DIC


PL10X/25
Light Splitting Ratio Switch
R:T=100:0 or 20:80 or 0:100
Plan Fluor 4x/0.13 ∞/0.17
Plan Fluor 10x/0.30 ∞/0.17
Plan Fluor 20x/0.50 ∞/0.17
Plan Fluor 40x/0.75 ∞/0.17
Plan Fluor 100x/1.28 OIL ∞/0.17
Extra WF PL10x/25mm
Invert Image Infinity Gemel Trinocular Head, High Eyepoint Plan PL10x/25mm, Diopter Adjustable
BF 6 Holes Nosepiece
For Bright Field, With Socket For DIC Slide & Polarizing Analyzer Slide
Semi-APO Objective
Infinity Plan Semi-APO Fluorescent Objective
4x, 10x, 20x, 40x, 100x

Large Working Stage

Double Layer Mechanical Stage, 187*166mm, Tension of Torque Adjustable.



Swing-Out Condenser

Swing-out Type Achromatic Condenser, N.A.0.9/0.25

Digital Dimming Illumination

12V100W Halogen Illumination with Iris Diaphragm, With Light Indicator, Digital Dimming System Have Brightness Set & Reset Function

Transmit Filters

Built-In Transmit Filters LBD/ND6/ND25

Coaxial Focusing

Low-Position Coaxial Coarse & Fine Adjustment With Coarse Adjustment Stop And Tightness Adjustment.

SLV-61i Biological > SLV-61iFL Fluorescent

Modular Frame Improve System Compatibility

SLV - 61i modularization design, separated cross arm and main body, improves the system compatibility of biological and fluorescence frame.

Multifunctional Reflection Fluorescent Illumination

In **SLV-61iFL** reflection fluorescent illumination, maximum 6 fluorescence filters can be assembled at the same time. Filters are placed in a rotary table for convenient switch. High precision and stable rotary table and high-performance imported filter ensures a drift-free image.

☆ There is a light shutter in front of the reflected illuminator. It is used to shut the fluorescent light to prevent fluorescence quenching of the slice.

☆ The light barrier can protect users from the harm of UV light.

SLV-61i Biological Microscope

☆ The use of ND attenuation filter, or aperture and field diaphragm rod can efficiently reduce the intensity of exciting light to protect the slide.

☆ After replacing the lamp, the centering objective helps users in adjusting the filament center to make sure a sufficient and uniform fluorescent illumination.

Power Control System for Mercury Lamp

New digital power control system with operating time and current value, clearly shows the working state of the mercury lamp.

Two Power Supply Systems Provide Multiple Choices of High Quality Illumination

New developed 100W EHV DC mercury lamp house with improved thermal cycle greatly reduces the surface temperature of the lamp house and avoids the scald risk during operation. The filament center is easily adjustable.75W xenon lamp for option.

SLV-61iFL Fluorescence Microscope

Multifunctional Reflection Illumination

In A16.0910 reflection fluorescent illumination, maximum 6 fluorescence filters can be assembled into turret disc at the same time, to get multi view function!

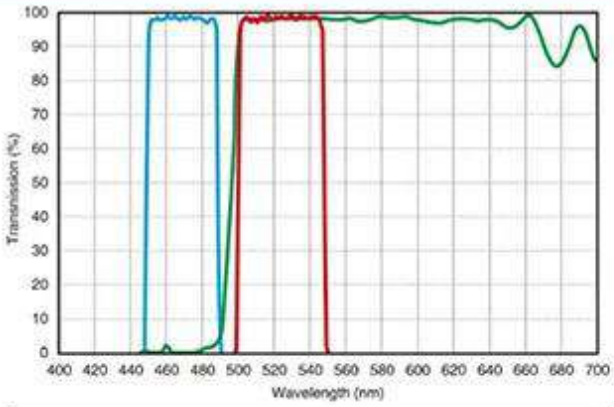
Upgrade to Fluorescent Model

6 Holes Disc Fluorescent Illuminator, With Iris Diaphragm, Aperture Diaphragm, Socket For Filter Inserter & Polarizer, With Light Shutter and Light Barrier

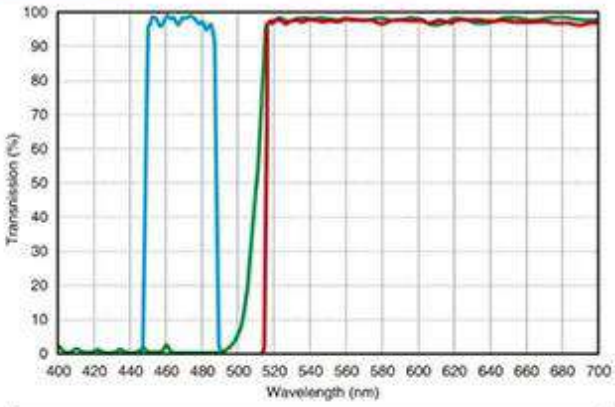
8K 5G WIFI+HDMI+USB+WAN 12.0M, C-Mount, Digital Camera

Output	USB,HDMI,5G WIFI, WAN
Sensor	12.0M, 1/2.3" Sony CMOS,
Resolution	8K (4000x3000) To HDMI Monitor
Record	Snapshot .JPG, Record MP4 1920x1080@60FPS
Spectral	380-650 For Fluorescent View

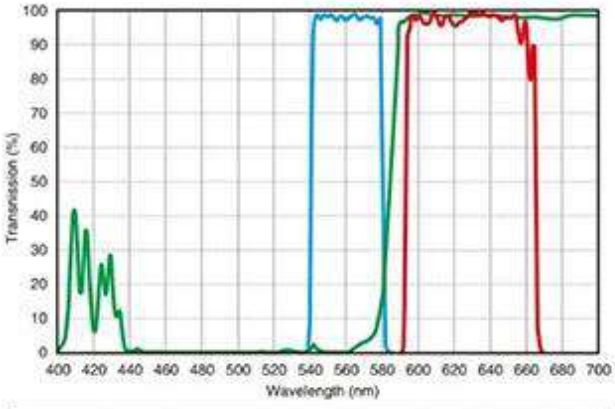
Flourescent Filters Data Sheet



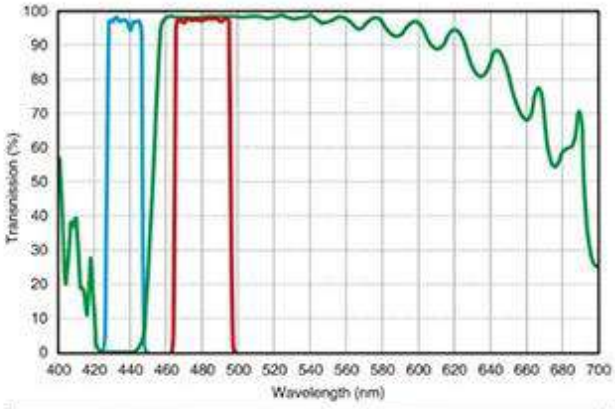
B1



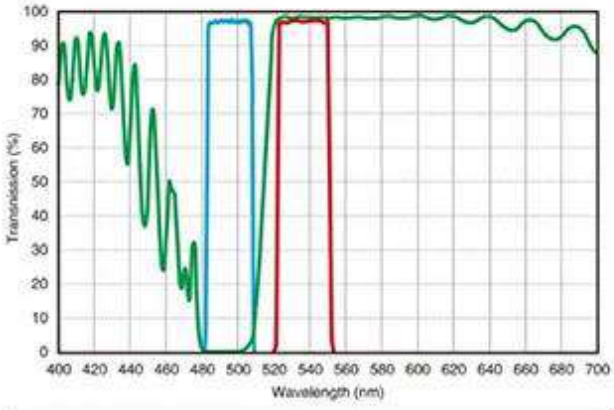
B2



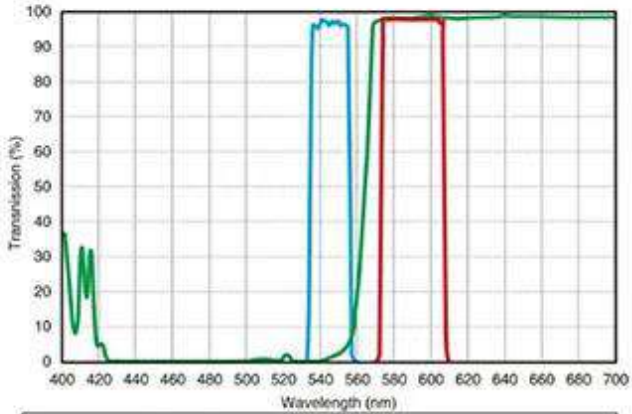
G1



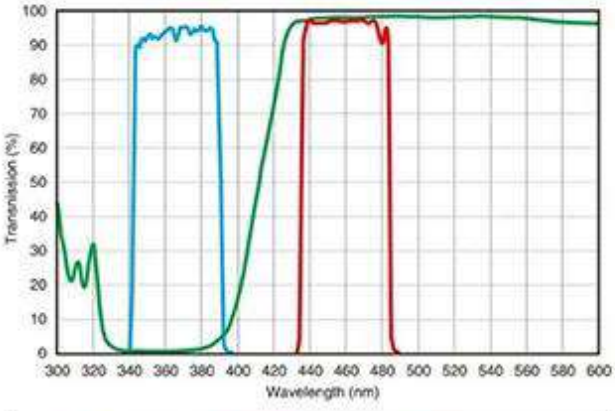
Spectrum Aqua



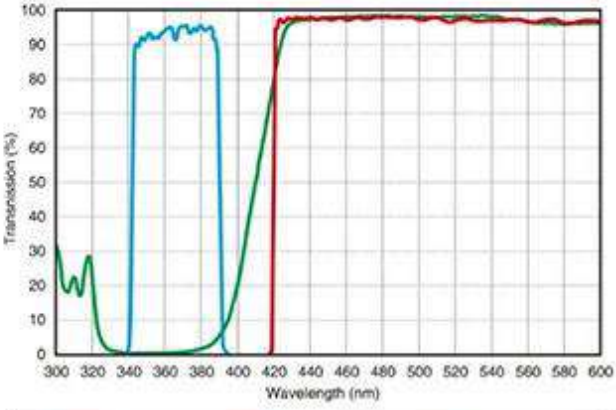
Spectrum Green



Spectrum Orange



UV1

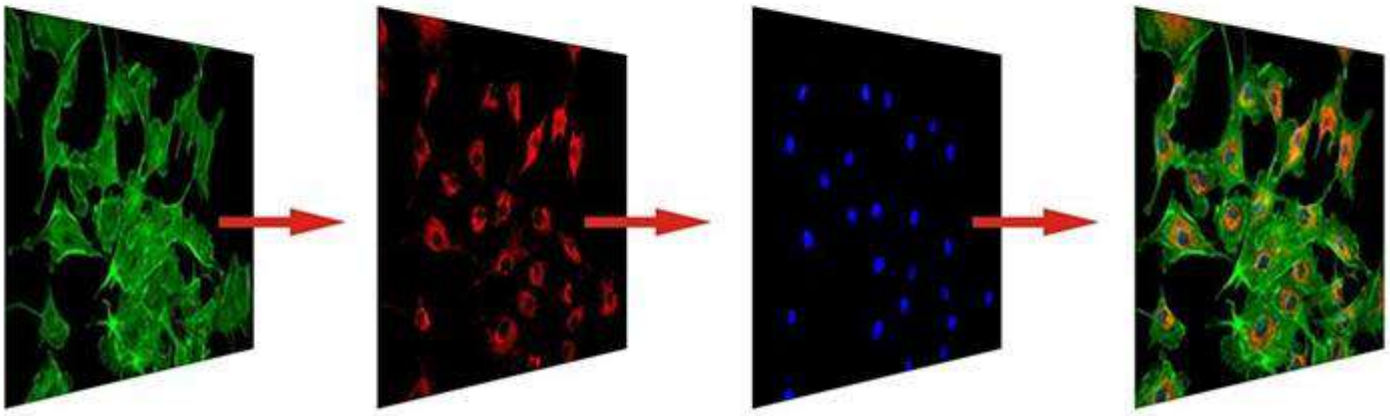


UV2

Item	SLV-61i Research Scientific Laboratory Microscope, Semi-APO, DIC SLV-61iFL Research Scientific Fluorescent Microscope, Semi-APO, DIC	SLV-61i	SLV-61iFL
Optical System	Infinity Optical System, BF Bright Field	●	●
	Semi-APO, Semi Apochromatic	●	●
	APO, Apochromatic	○	○
	DF, Dark Field	○	○
	PL, Polarizing	○	○
	PH, Phase Contrast	○	○
	DIC, Different Interference Contrast	○	○
	FL, Fluorescent	○	○
Head	30° Inclined Erect Image Infinity Gemel Trinocular Head, Interpupillary Distance 50~76mm, Light Splitting Ratio Switch E100:P0/E0:P100,	○	○
	30° Inclined, Invert Image Infinity Gemel Trinocular Head, Interpupillary Distance 50~76mm; Light Splitting Ratio Switch R: T=100:0 or 20:80 or 0:100	●	●
	5-35° Tiltable, Inverted Image, Infinity Gemel Trinocular Head, Interpupillary Distance 50~76mm; Light Splitting Ratio 50:50 or 100:0 or 0:100	○	○
Adapter	0.5x C-Mount, for 1/2"CCD, Focus Adjustable	○	○
	0.35x C-Mount, for 1/2"CCD, Focus Adjustable	○	○
	0.65x C-Mount, for 1/2"CCD, Focus Adjustable	○	○
	1.0x C-Mount, for 1"CCD, Focus Adjustable	○	○
Eyepiece	High Eyepoint Plan PL10x/25mm, Dioptre Adjustable	●●	●●
	High Eyepoint Plan PL10x/26.5mm, Dioptre Adjustable	○	○
	High Eyepoint Plan PL10x/25mm, Dioptre Adjustable, With Reticle	○	○
	High Eyepoint Plan PL10x/26.5mm, Dioptre Adjustable, With Reticle	○	○
Nosepiece	BF 5 Holes, With Socket For DIC Slide & Polarizing Analyzer Slide	○	○
	BF 6 Holes, With Socket For DIC Slide & Polarizing Analyzer Slide	●	●
	BF 7 Holes, With Socket For DIC Slide & Polarizing Analyzer Slide	○	○
Objective	**Infinity Plan Semi-APO Fluorescent Objective**		
	Semi-APO Fluorescent 4x/0.13, W.D.=16.43mm	●	●
	Semi-APO Fluorescent 10x/0.3, W.D.=8.13mm	●	●
	Semi-APO Fluorescent 20x/0.5, W.D.=2.03mm	●	●
	Semi-APO Fluorescent 40x/0.75, W.D.=0.74mm	●	●
	Semi-APO Fluorescent 100x/1.3, W.D.=0.18mm	●	●
	Infinity Plan APO Fluorescent Objective		
	APO Fluorescent 2x/0.08, WD=6.2mm	○	○
	APO Fluorescent 4x/0.13, WD=16.6mm	○	○
	APO Fluorescent 10x/0.40, WD=2.1mm	○	○
	APO Fluorescent 20x/0.75, WD=0.6mm	○	○
	APO Fluorescent 40x/0.95, WD=0.15mm	○	○
	APO Fluorescent 60x/0.90, WD=0.26mm	○	○

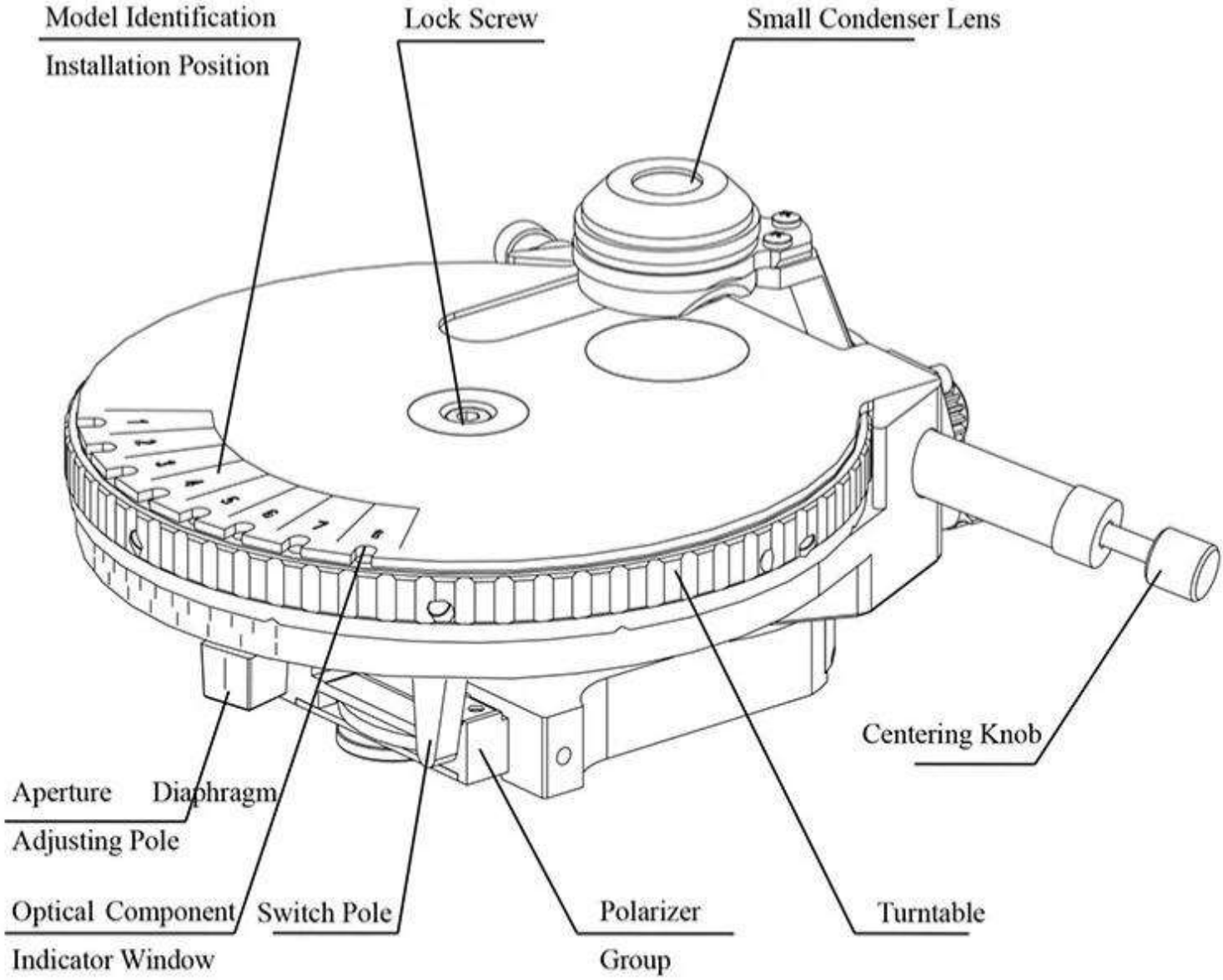
	APO Fluorescent 100x/1.35, WD=0.13mm	○	○
	Centering Objective for Fluorescent	○	●
Working Stage	Double Layer Mechanical Stage, 187*166mm, Moving Range 80*55mm, Precision 0.1mm, Double Direction Transmission, Left/Right Position Handle for Option, Tension of Torque Adjustable.	●	●
Focusing	Low-Position Coaxial Coarse & Fine Adjustment, Coarse Adjustment Distance: 25mm; Fine Precision: 0.001Mm. With Coarse Adjustment Stop and Tightness Adjustment.	●	●
Main Body	**Transmitted** Body, Digital Dimming System with Light Indicator, Brightness Set & Reset Function	●	
	Reflected/Transmitted Body, Digital Dimming System with Light Indicator, Brightness Set & Reset Function, With Condenser Holder		●
Transmit Light	12V100W Halogen Lamp House, Pre-Centered	●	●
	12V100W Halogen Bulb (Philps 7724)	●	●
	Swing-out Type Achromatic Condenser, N.A.0.9/0.25	●	●
	Built-In Transmit Filters LBD/ND6/ND25	●	●
Reflect Fluorescent Light	--6 Holes Disc Fluorescent Illuminator, With Iris Diaphragm, Aperture Diaphragm, Socket For Filter Inserter & Polarizer --100W Mercury Lamp House --Digital Power Control Box --Imported 100W DC Mercury Bulb (OSRAM) --Fluorescence Filter, **B,G,UV** --Attenuation Plate Transmittance 50% --Fluorescent Llight Shield In The Front		●
Power	Built-In 100-240V Wide Voltage Transformer	●	●
Other	Allen Key M4	●	●
Universal Condenser For Dark Field, Polarzing, Phase Contrast, DIC View			
Universal Condenser	**Universal Condenser,** Disc With 8 Holes for Function DF, PL, PH, DIC --3 Small Holes For Phase Contrast Rings, PH Objectives. --3 Big Holes Only For DIC Rings --2 Big Holes Center Adjustable, For Dark Field Ring or DIC Ring --Polarizer Lens Included In Socket Under Universal Condenser --Need to Select N.A.0.9 Condenser Lens As Standard	◦	◦
	N.A.0.9 Condenser Lens, **Standard Selection**, For Objective 10x20x40x60x100x Screw On Universal Condenser Disc	◦	◦
	N.A.0.2 Condenser Lens, Optional Selection, For Objective 4x Screw on Universal Condenser Disc	○	○
	N.A.1.4 Condenser Lens, Optional Selection, For Objective 20x40x60x100x Screw on Universal Condenser Disc	○	○
Dark Field	Dark Field Ring, Dry Type N.A.0.9, For Objective 10x,20x	○	○
	Dark Field Ring, Immersion Oil Type N.A.1.4, For Objective 40x,60x	○	○
DIC	Transmission DIC Slide, Insert to DIC Socket on Nosepiece	○	○
	Transmission DIC Ring 10x	○	○
	Transmission DIC Ring 20x	○	○
	Transmission DIC Ring 40x/60x	○	○
Phase Contrast	Phase Contrast Aperture Ring 4x	○	○
	Phase Contrast Aperture Ring 10x/20x	○	○
	Phase Contrast Aperture Ring 40x	○	○
	Phase Contrast Aperture Ring 100x	○	○
Phase Contrast	**Infinity Plan Apochromatic Positive Phase Contrast Objective**	○	○

APO Objective	APO PH 4x/0.16, WD=12.8m	○	○
	APO PH 10x/0.40, WD=2.5mm	○	○
	APO PH 20x/0.75, WD=0.6mm	○	○
	APO PH 40x/0.95, WD=0.15m	○	○
	APO PH 60x/0.90, WD=0.26mm	○	○
	APO PH 100x/1.35, WD=0.13mm	○	○
Polarizing	Polarizer Lens Included in Plug-in Socket Under Universal Condenser	○	○
	Analyzer Slide, Insert to Analyzer Socket On Nosepiece	○	○
Upgrade Series Model			
Metallurgical	Upgrade to DIC Metallurgical Microscope, APO		



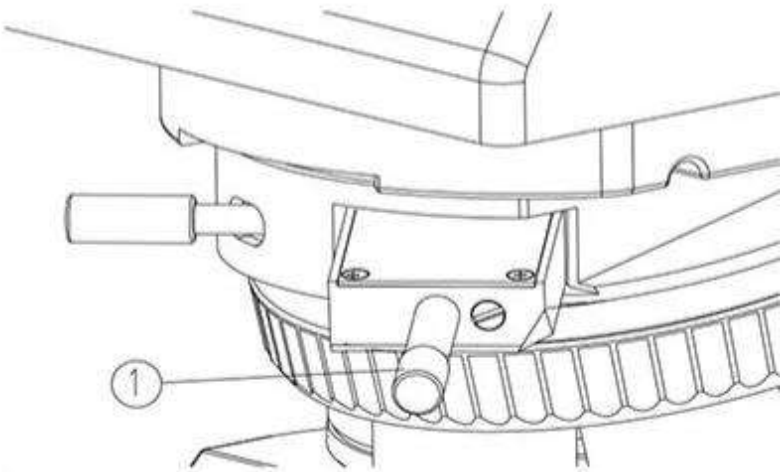
Universal Condenser For DF,PL,PH,DIC

For Dark Field, Polarizing, Phase Contrast, DIC View

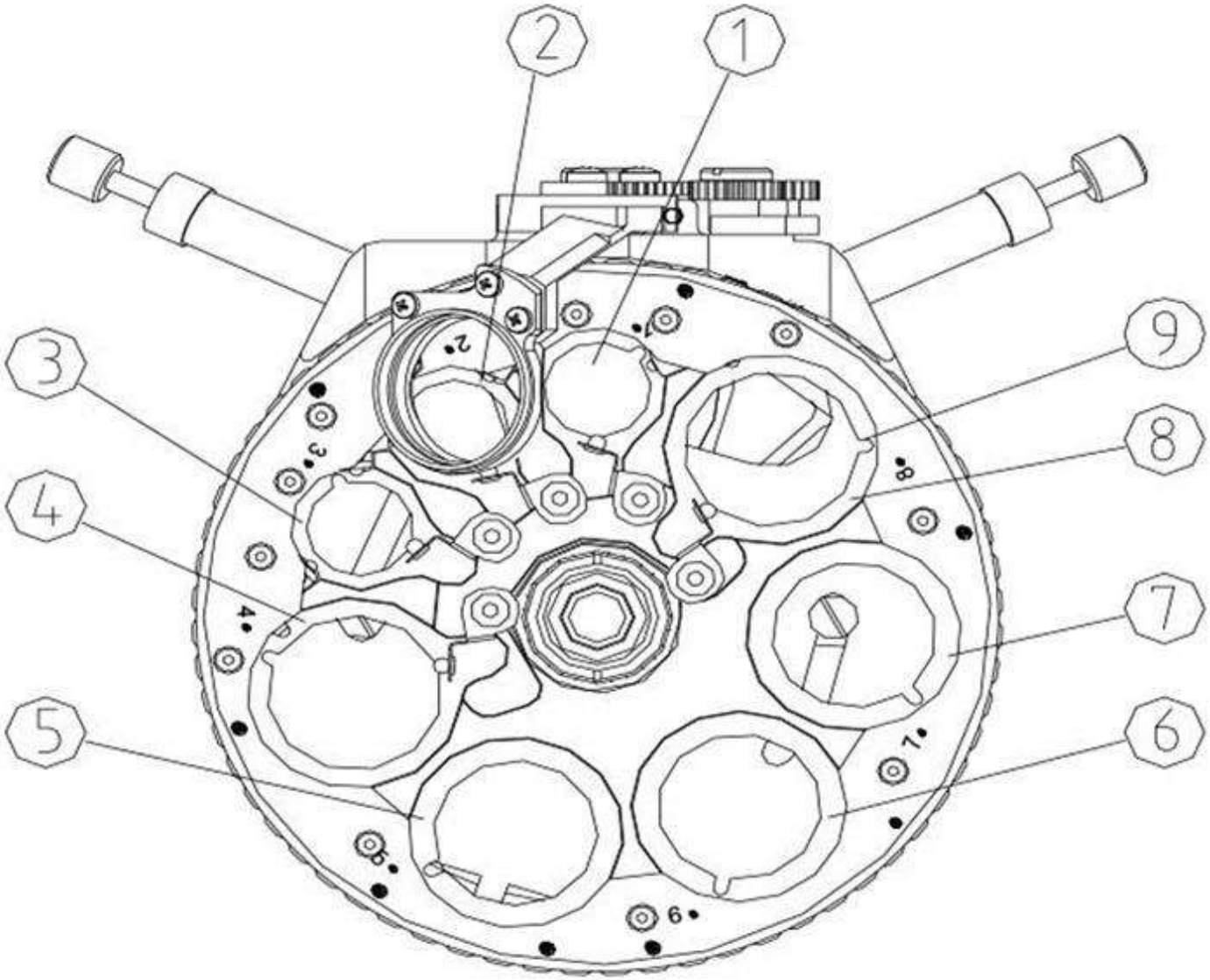


BF,DF,PH,PL,APO,DIC

Semi-APO



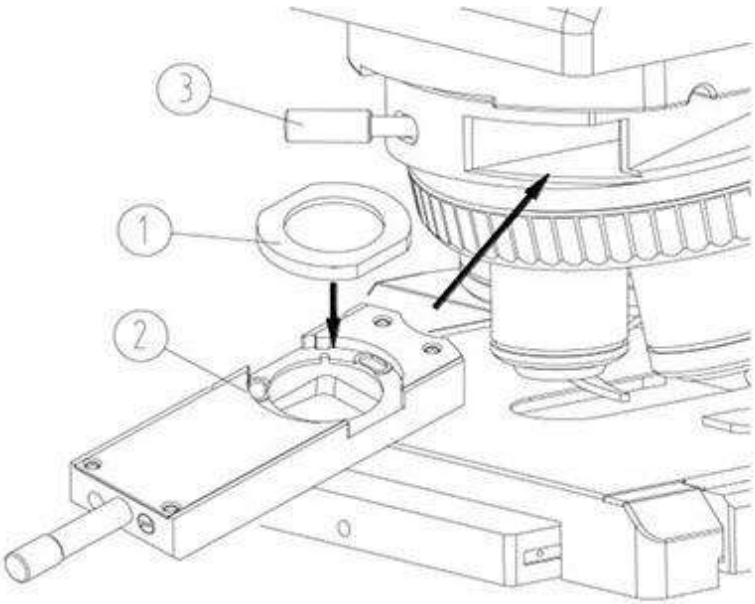
DIC



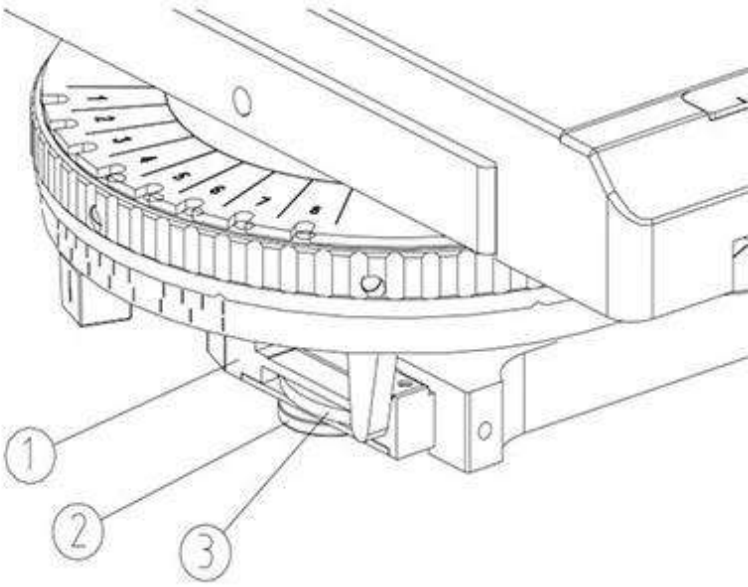
①②③ Phase Contrast Aperture Ring or DIC Ring

⑤⑥⑦ DIC Ring

④⑧ Dark Field Ring or Phase Contrast Aperture Ring or DIC Ring



Analyzer Slide

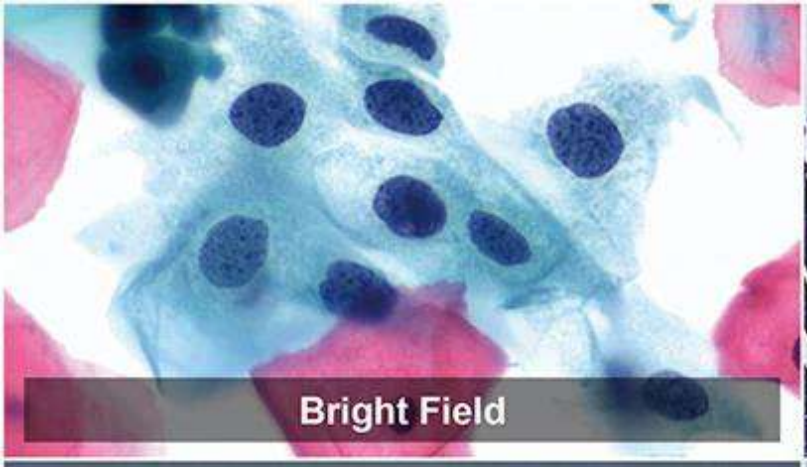


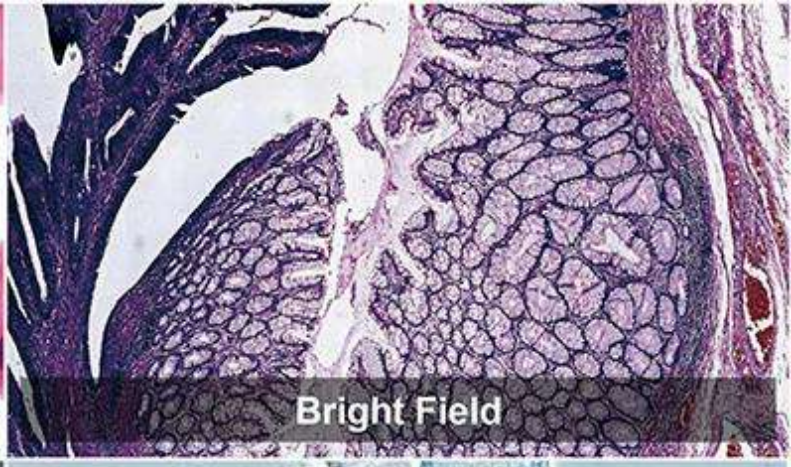
Polarizer Lens

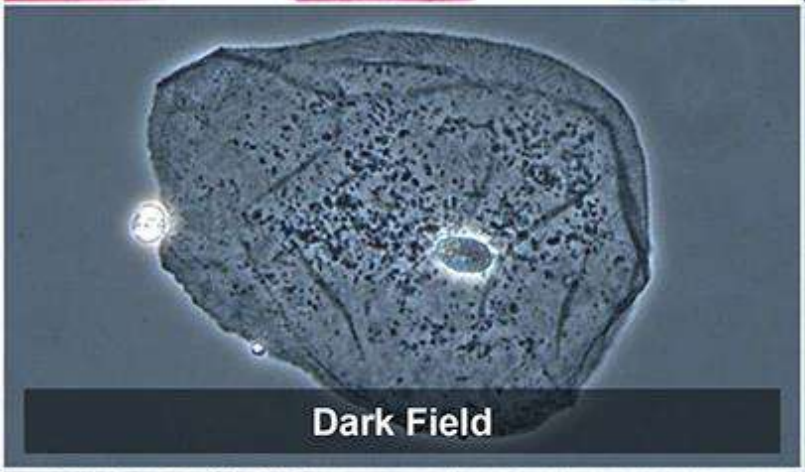
Universal Condenser

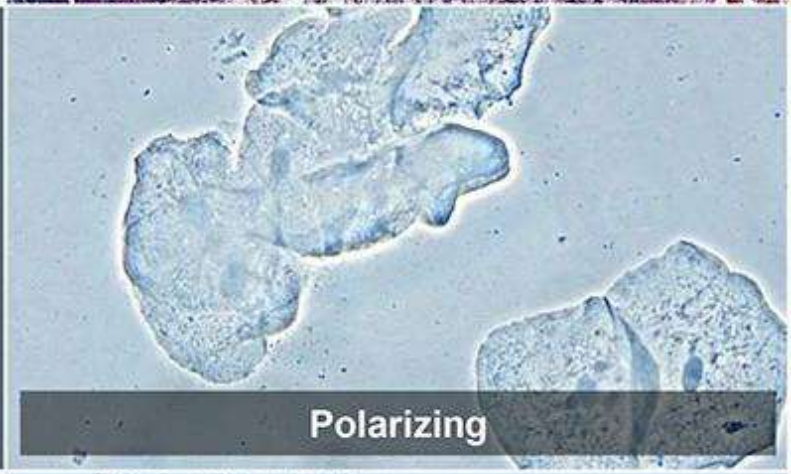
Porous Site For Dark Field, Polarizing, Phase Contrast, DIC View

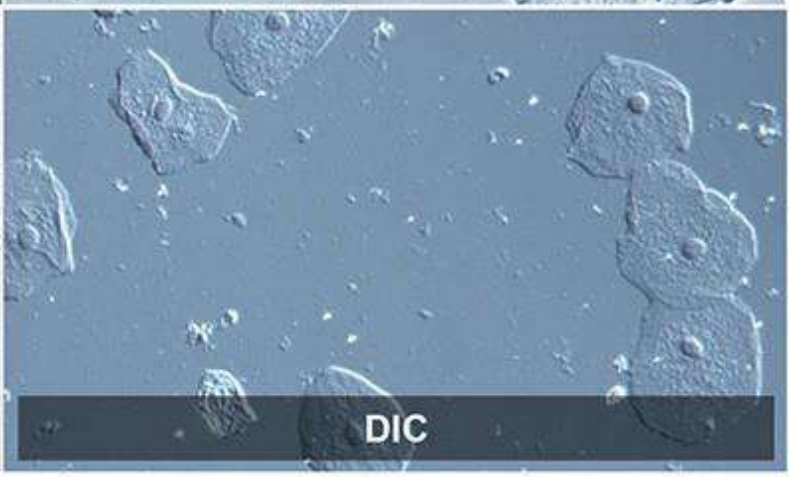
DIC Optical Component

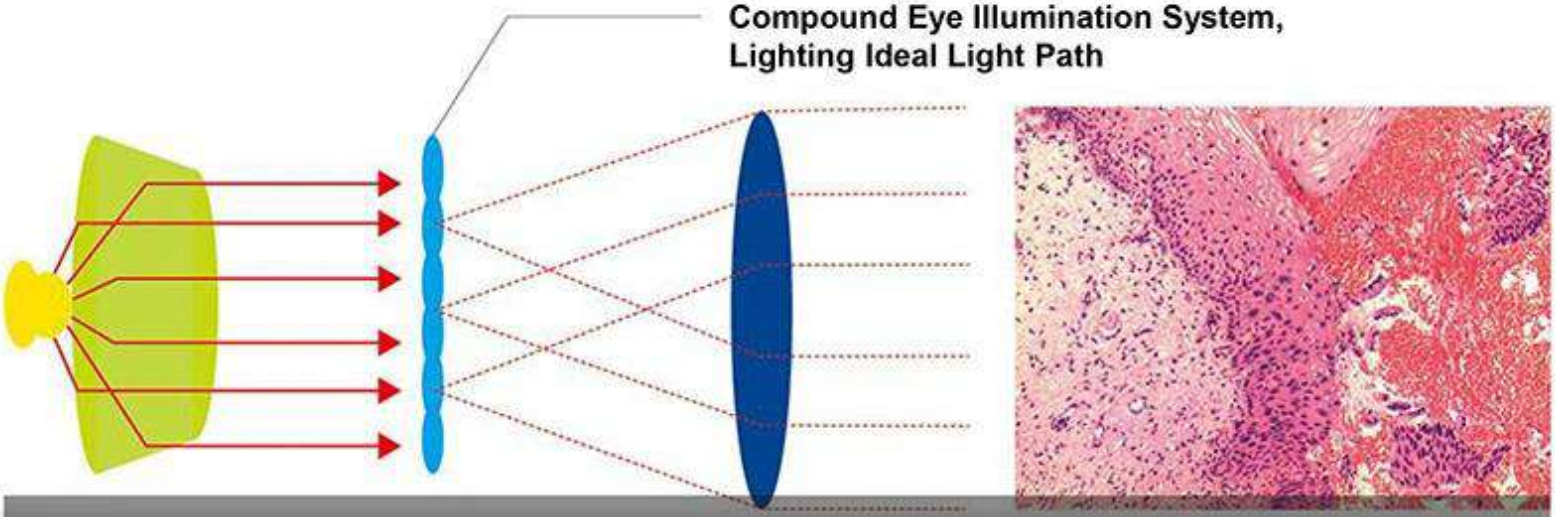












Compound Eye Illumination System

A12.0910 adopts the compound eye illumination system to improve the contrast rate and effectively improve the illumination uniformity of the specimen surface. Even at the edge of the field of view, uniform and bright background brightness can be achieved under any magnification.

LED Illumination

Accessories

BF 5Holes

BF 7Holes

BF 6Holes

Swing-out Condenser

Centering Objective

Built-In Transmit Filters ND6/ND25

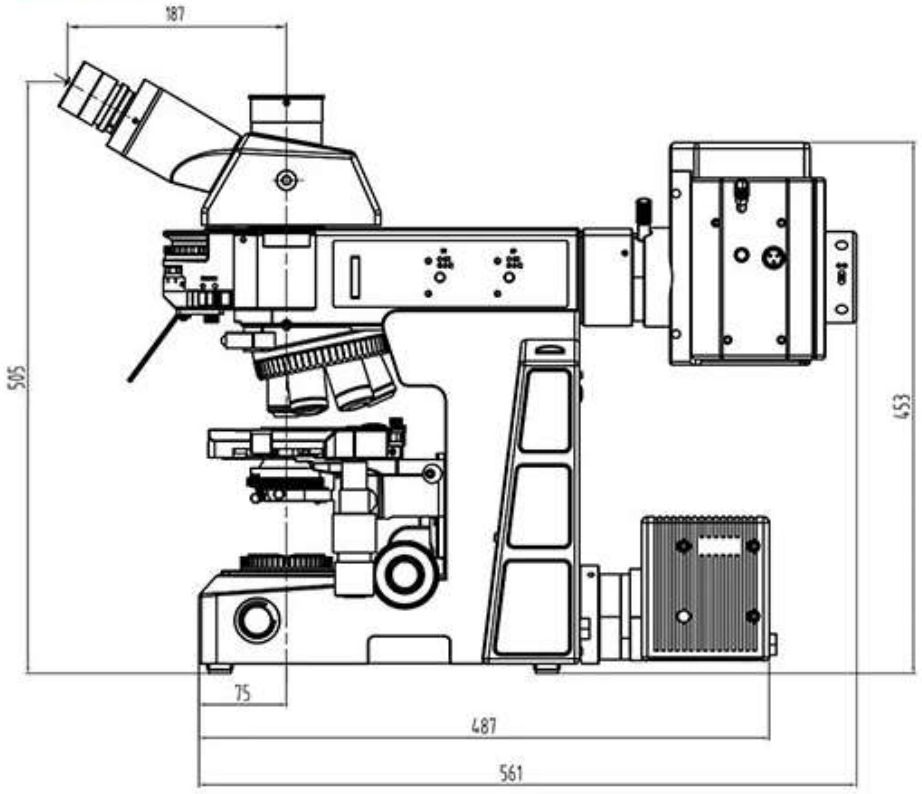
0.65x C-Mount

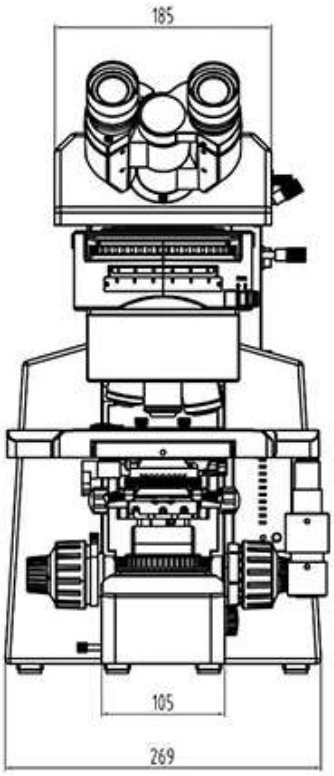
1.0x C-Mount

0.5x C-Mount

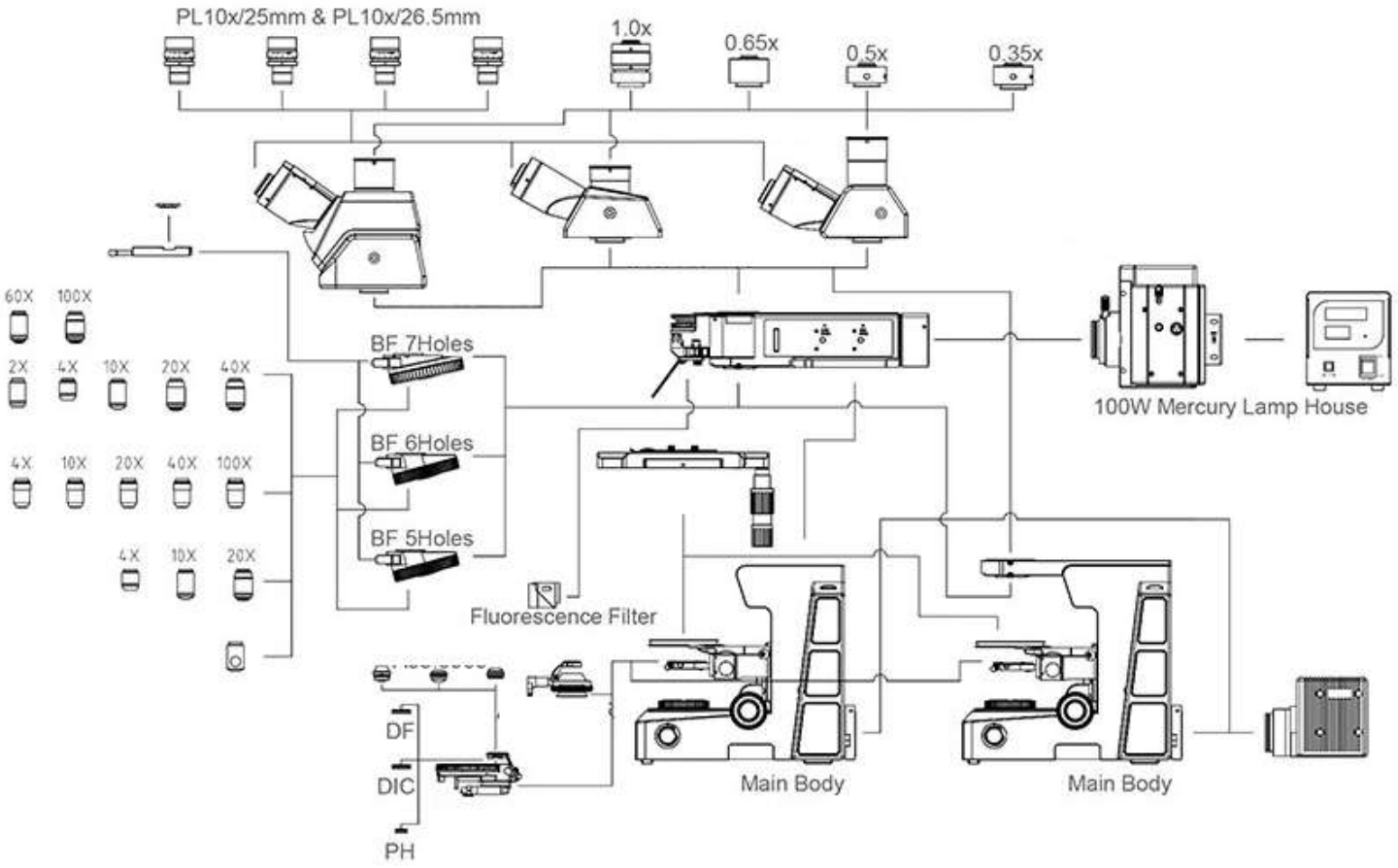
Size And Configuration

Size: mm





System Configuration Diagram



Shop No.1, Basement floor, Best Apartments, Dr. Arunachalam Road, 5th Stage BEML Layout, Rajarajeshwari Nagar, Bengaluru - 560 098