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# A16.2603

## Fluorescent Microscope, Semi-APO



## Product Details



**Super Wide Field Eyepiece**  
SWF10x/22mm  
Eyepiece Dia.30mm Diopter Adjustable



**The Eyepiece Tube Has Fix Screw**  
To Prevent Eyepiece Falling Damage During Move



**Fixed E80:P20**



**E100:P0/E0:P100**

**Trinocular Head Light Split Optional Between Switch E100:P0/E0:P100 & Fixed E80:P20**  
In Fixed Light Split, Eyepiece 80% : Photo 20% User Can View Image At Same Time In Both Path  
In Switch Light Split, Eyepiece 100%:Photo 0% / Eyepiece 0%:Photo 100%, Camera Can Have 100% Light For Photo Capture.



**Large Size High Precision Quintuple Nosepiece**, With Polarizing Analyzer Slot, Infinity Plan Objective 4x,10x,20x,40x,100x Available

Creative **100X Water Objective** (Optional) Instead Of 100X Oil Objective, More Convenient For Using & Cleaning After Use

**Rackless (Integrated) Mechanical Stage**  
 Large Size 182×140mm, Double Slide Holder  
 Travel Range 77×52mm



**6 Holes Disk Fluorescence Unit**  
 Can Load Up to 5 Fluorescence Filters +  
 1 Hole For Bright Field View,



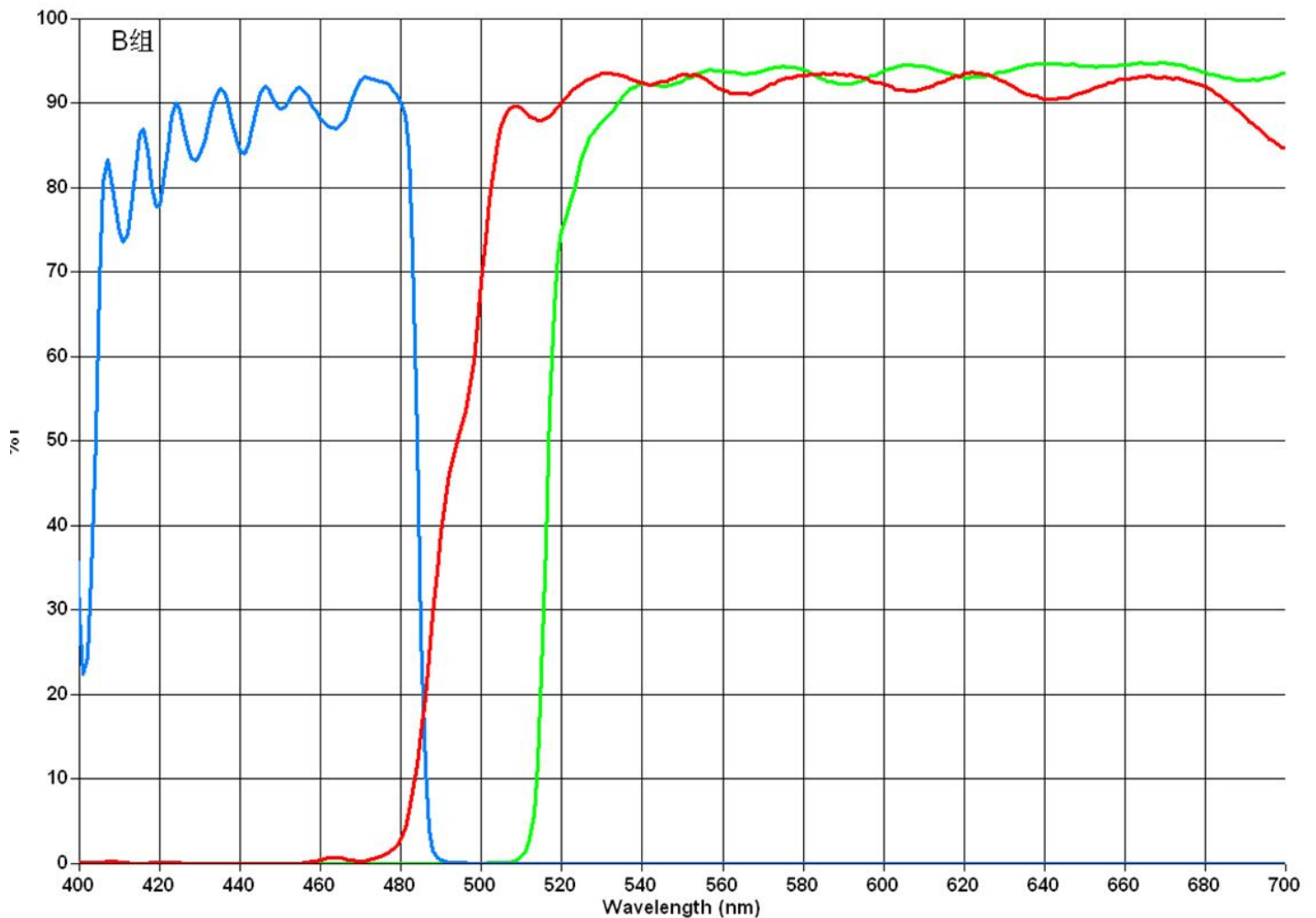
**100W Mercury Lamp  
 Fluorescent**  
 Illumination Unit, With Field  
 Diaphragm, Light Switch Lever.

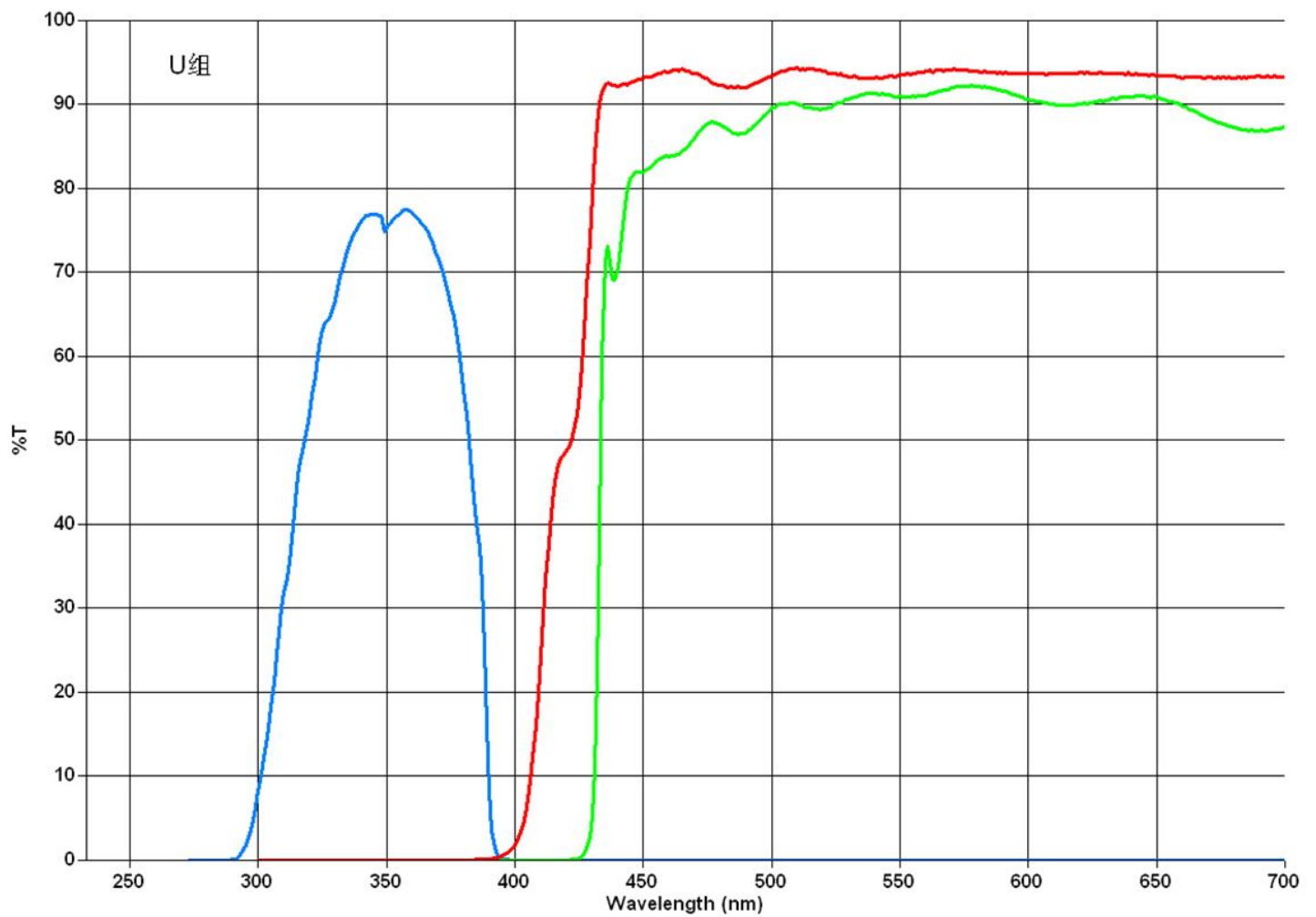
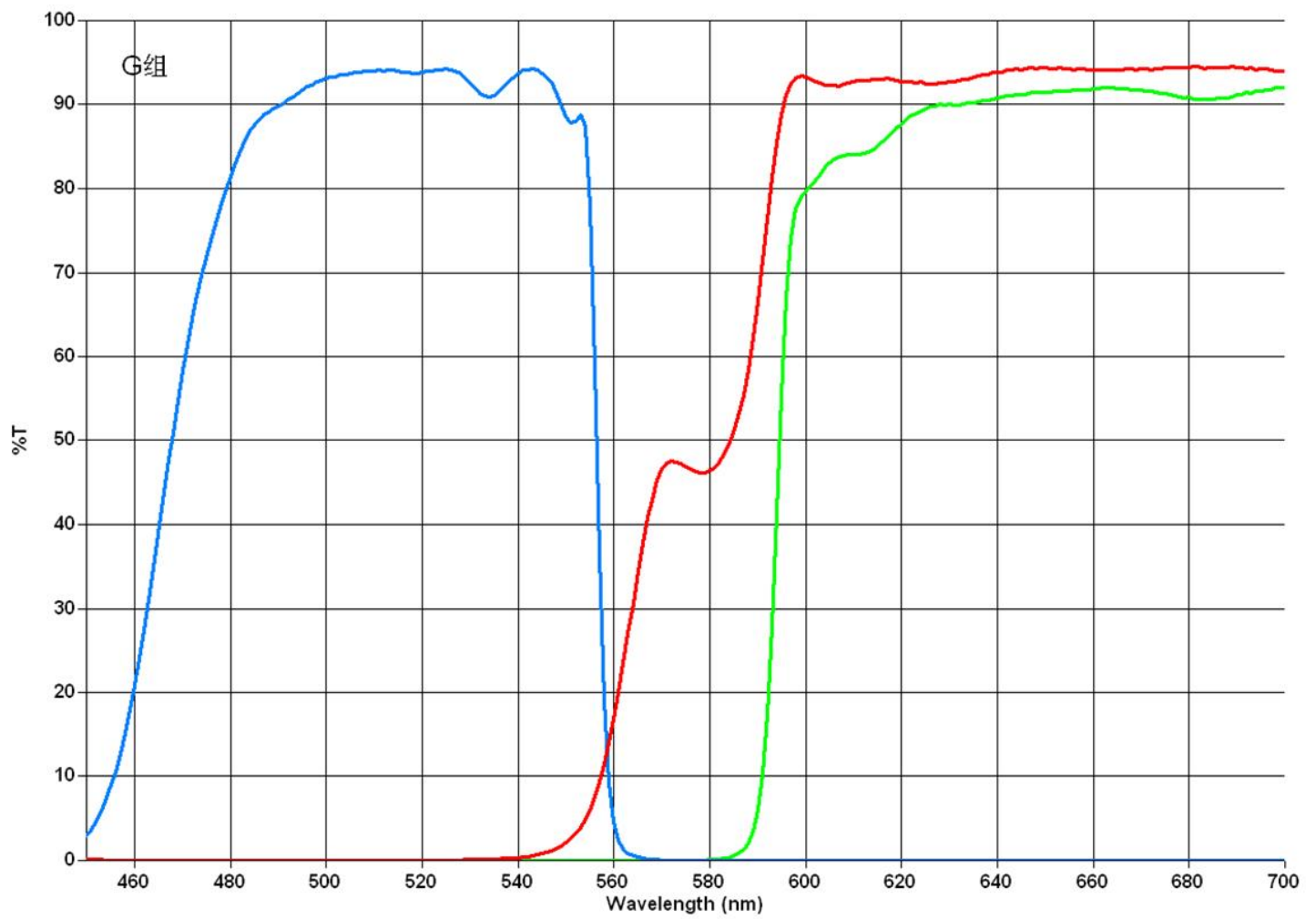


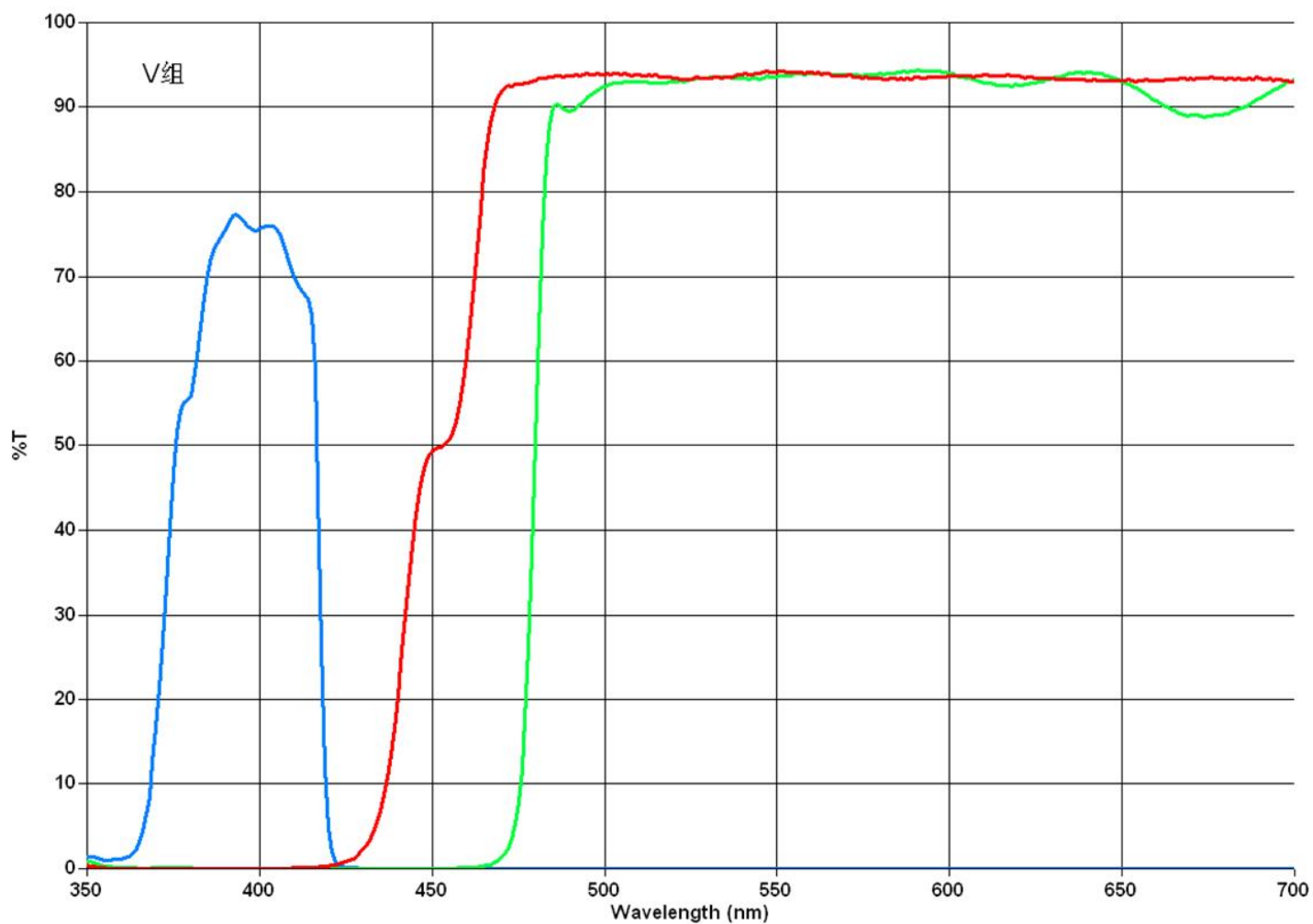


**Swing-out Condenser, N.A. 0.9/0.13, Iris Diaphragm**  
Control The Amount Of Light According To Demand, The Effect Is More Perfect.

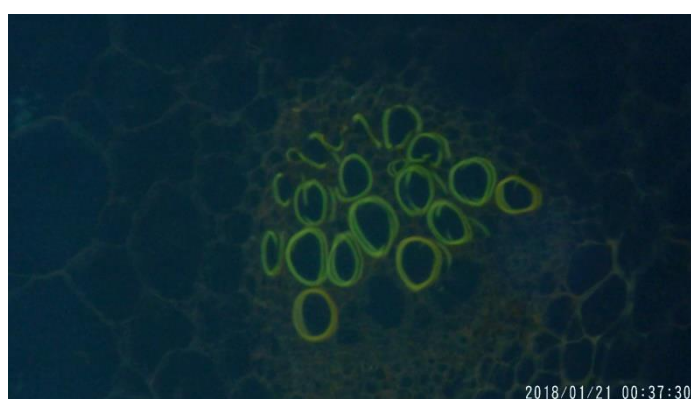
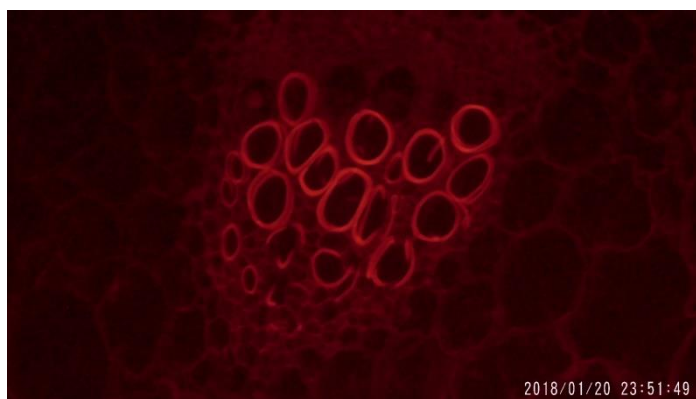
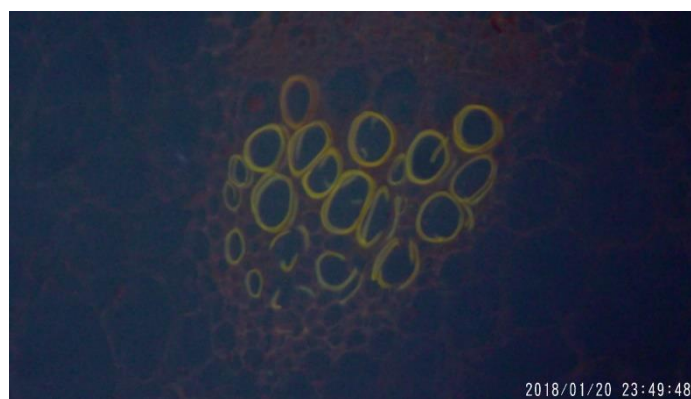
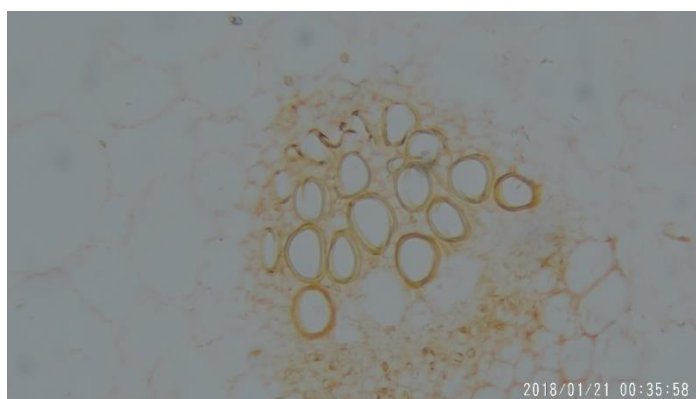
## Fluorescent Filters







| Fluorescent Filters | Exciter (nm) | Dichroic (nm) | Emitter (nm) |
|---------------------|--------------|---------------|--------------|
| UV                  | 330-380      | 400           | 435          |
| V                   | 380-420      | 430           | 460          |
| B                   | 420-490      | 505           | 520          |
| G                   | 500-550      | 575           | 590          |





## Product Accessories



**A5F.2611**  
Infinity Plan Semi-APO Fluorescent Objective



**A54.2601-S01**  
Mechanical Stage Size  
175 mm × 145mm



**A51.2602-1020**  
WF10X/20mm  
(High Eyepoint)



**A56.2610-BK**  
Dark Field  
Condenser, Dry



**A56.2610-BKW**  
Dark Field  
Condenser, Immersion



**A56.2660**  
ECO, Auto  
Power Off System



**A52.2606 Infinity Plan Objective**



**A55.2610  
Digital Eyepiece  
Camera Adapter**



**A5P.2601-BK Analyzer + Polarizer Set**



**A55.2601-10  
C-Mount 1.0x,  
Focus Adjustable**



**A55.2601-75  
C-Mount 0.75x,  
Focus Adjustable**



**A55.2601-05  
C-Mount 0.5x,  
Focus Adjustable**



**A5C.2602  
Simple Phase  
Contrast  
Attachment**



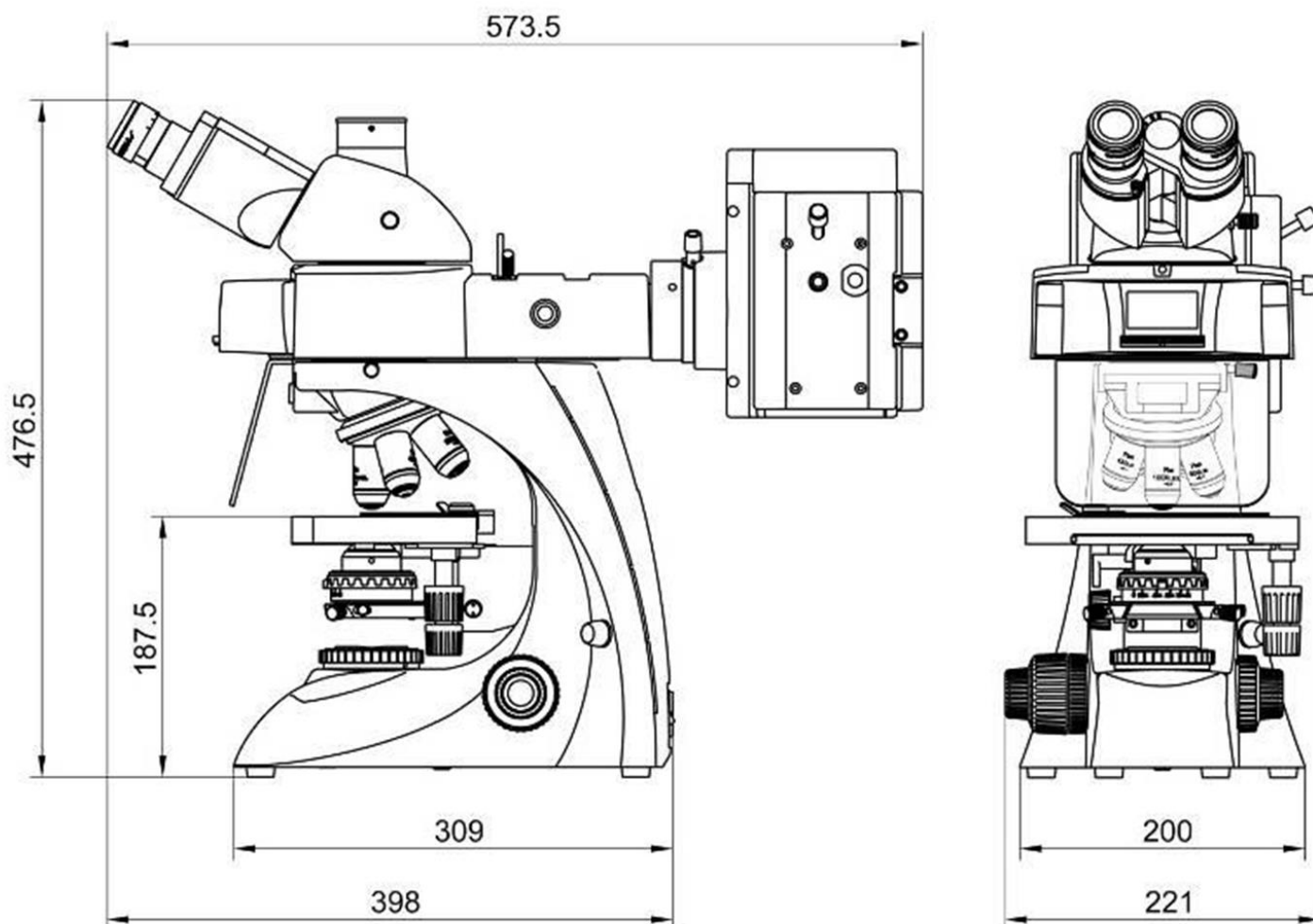
**A5C.2603 Turret  
Phase Contrast Attachment**

# Product Specification

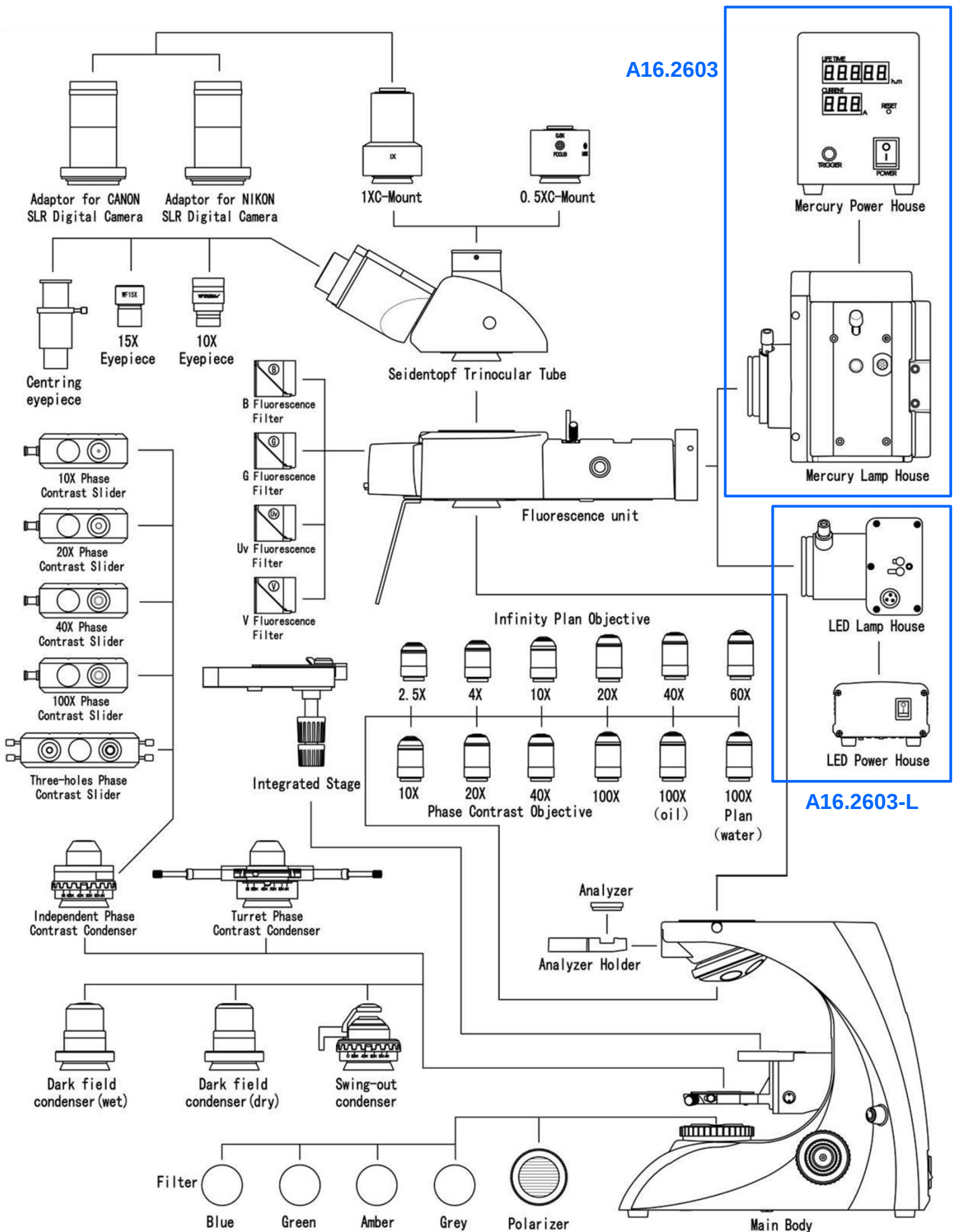
| Items                                        | A16.2603 Fluorescent Microscope Specification                                                                                                        | -B2 | -T2 | -B4 | -T4 | Cata. No.     |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|---------------|
| Head                                         | Seidentopf Binocular Head Inclined 30°, Rotatable 360°, Interpupillary Distance 48-76mm, Eyepiece Tube Dia.30mm                                      | ●   | ○   | ●   | ○   | A53.2623-B    |
|                                              | Seidentopf Trinocular Head Inclined 30°, Rotatable 360°, Interpupillary Distance 48-76mm, Light Split Switch E100:P0/E20:P80, Eyepiece Tube Dia.30mm | ○   | ●   | ○   | ●   | A53.2623-T    |
| Eyepiece                                     | WF10x/22mm, Dia.30mm, High Eyepoint, Diopter Adjustable                                                                                              | ●●  | ●●  | ●●  | ●●  | A51.2621-1022 |
| Nosepiece                                    | Quintuple                                                                                                                                            | ●   | ●   | ●   | ●   | A54.2610-N01  |
| Infinity Plan Objective                      | PLAN 2.5X/0.07, W.D.=8.47mm                                                                                                                          | ○   | ○   | ○   | ○   | A52.2606-2.5  |
|                                              | PLAN 4X/0.10, W.D.=12.10mm                                                                                                                           | ●   | ●   | ●   | ●   | A52.2606-4    |
|                                              | PLAN 10X/0.25, W.D.=4.64mm                                                                                                                           | ●   | ●   | ●   | ●   | A52.2606-10   |
|                                              | PLAN 20X/0.40(S), W.D.=2.41mm                                                                                                                        | ●   | ●   | ●   | ●   | A52.2606-20   |
|                                              | PLAN 40X/0.66(S), W.D.=0.65mm                                                                                                                        | ●   | ●   | ●   | ●   | A52.2606-40   |
|                                              | PLAN 60X/0.80(S), W.D.=0.33mm                                                                                                                        | ○   | ○   | ○   | ○   | A52.2606-60   |
|                                              | PLAN 100X/1.25(S, Oil), W.D.=0.12mm                                                                                                                  | ●   | ●   | ●   | ●   | A52.2606-100  |
|                                              | PLAN 100X/1.15(S, Water), W.D.=0.19mm                                                                                                                | ○   | ○   | ○   | ○   | A52.2606-100W |
| Infinity Plan Semi-APO Fluorescent Objective | UplanFLN 4x, N.A.0.16, W.D.=17.151mm                                                                                                                 | ○   | ○   | ○   | ○   | A5F.2611-4    |
|                                              | UplanFLN 10x, N.A.0.30, W.D.=7.68mm                                                                                                                  | ○   | ○   | ○   | ○   | A5F.2611-10   |
|                                              | UplanFLN 20x, N.A.0.50, W.D.=1.96mm                                                                                                                  | ○   | ○   | ○   | ○   | A5F.2611-20   |
|                                              | UplanFLN 40x, N.A.0.75, W.D.=0.78mm                                                                                                                  | ○   | ○   | ○   | ○   | A5F.2611-40   |
|                                              | UplanFLN 100x(Oil), N.A.1.30, W.D.=0.15mm                                                                                                            | ○   | ○   | ○   | ○   | A5F.2611-100  |
| Working Stage                                | Rackless (Integrated) Mechanical Stage, Size 182×140mm, Travel Range 77×52mm, Double Slide Holder                                                    | ●   | ●   | ●   | ●   | A54.2601-S10  |
|                                              | Mechanical Stage Size 175 mm×145mm, Travel 76mm×52mm, Scale: 0.1mm, Double Slide Holder                                                              | ○   | ○   | ○   | ○   | A54.2601-S01  |
| Focusing                                     | Coaxial Coarse & Fine Focusing, Coarse Focusing Travel Range: 22mm, Fine Focusing Div. 0.002mm                                                       | ●   | ●   | ●   | ●   |               |
| Condenser                                    | Swing-out Condenser, N.A.0.9/0.13, Iris Diaphragm                                                                                                    | ●   | ●   | ●   | ●   | A56.2614-07a  |
| Illumination                                 | Transmit Light 6V30W Halogen<br>Koehler Illumination, Wide Voltage 100V~240V, Field Diaphragm                                                        | ●   | ●   | ●   | ●   | A56.2613-30W  |
| Field Diaphragm                              | For Kohler Illumination                                                                                                                              | ●   | ●   | ●   | ●   | A56.2615-BK   |
| Filter                                       | Dia.45mm, Blue                                                                                                                                       | ●   | ●   | ●   | ●   | A56.2616-45B  |
|                                              | Dia.45mm, Green                                                                                                                                      | ○   | ○   | ○   | ○   | A56.2616-45G  |
|                                              | Dia.45mm, Yellow                                                                                                                                     | ○   | ○   | ○   | ○   | A56.2616-45A  |
| Dark Field                                   | Dark Field Condenser, Dry, N.A.0.83-0.91, For 4x10x40x Objective                                                                                     | ○   | ○   | ○   | ○   | A5D.2610-BK   |
|                                              | Dark Field Condenser, Immersion, N.A.1.3, For 100x Objective                                                                                         |     |     |     |     | A5D.2610-BKW  |
| Polarizing                                   | Analyzer + Polarizer Set                                                                                                                             | ○   | ○   | ○   | ○   | A5P.2601-BK   |
| Phase Contrast                               | Infinity Plan Phase Contrast Objective 10x + Phase Contrast Slide 10x + Phase Contrast Condenser + Telescope 11x + Green Filter                      | ○   | ○   | ○   | ○   | A5C.2602-10   |
|                                              | Infinity Plan Phase Contrast Objective 20x + Phase Contrast Slide 20x + Phase Contrast Condenser + Telescope 11x + Green Filter                      | ○   | ○   | ○   | ○   | A5C.2602-20   |
|                                              | Infinity Plan Phase Contrast Objective 40x + Phase Contrast Slide 40x + Phase Contrast Condenser + Telescope 11x + Green Filter                      | ○   | ○   | ○   | ○   | A5C.2602-40   |
|                                              | Infinity Plan Phase Contrast Objective 100x + Phase Contrast Slide 100x + Phase Contrast Condenser + Telescope 11x + Green Filter                    | ○   | ○   | ○   | ○   | A5C.2602-100  |
|                                              | Turret Phase Contrast Attachment                                                                                                                     |     |     |     |     |               |
|                                              | Infinity Plan Phase Contrast Objective 10x20x40x100x, Turret Phase Contrast Condenser 5-Holes, Telescope 11x, Green Filter                           | ○   | ○   | ○   | ○   | A5C.2603-BK   |

|                                                                    |                                                                                                                                                                                                                                                                                       |   |   |   |   |             |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|-------------|
| Fluorescence                                                       | Upgrade From A12.2603-B/T Biological Microscope With<br>B,G China Fluorescent Set<br>100W Mercury Lamp House<br>100W Mercury Power Box, Digital Disp.<br>6 Holes Disc Fluorescent Unit<br>Ultraviolet Protection Barrier<br>Centering Objective<br>China 100W Mercury Lamp 2 pcs      | ● | ● |   |   | A5F.2601-2  |
|                                                                    | Upgrade From A12.2603-B/T Biological Microscope With<br>B,G,U,UV China Fluorescent Set<br>100W Mercury Lamp House<br>100W Mercury Power Box, Digital Disp.<br>6 Holes Disc Fluorescent Unit<br>Ultraviolet Protection Barrier<br>Centering Objective<br>China 100W Mercury Lamp 2 pcs |   |   | ● | ● | A5F.2601-4  |
| Adapter                                                            | C-Mount 0.5x, Focus Adjustable                                                                                                                                                                                                                                                        | ○ | ○ | ○ | ○ | A55.2601-05 |
|                                                                    | C-Mount 0.75x, Focus Adjustable                                                                                                                                                                                                                                                       | ○ | ○ | ○ | ○ | A55.2601-75 |
|                                                                    | C-Mount 1.0x, Focus Adjustable                                                                                                                                                                                                                                                        | ○ | ○ | ○ | ○ | A55.2601-10 |
|                                                                    | Digital Eyepiece Camera Adapter, Dia. 23.2mm/25mm                                                                                                                                                                                                                                     | ○ | ○ | ○ | ○ | A55.2610    |
| Package                                                            | Carton Size 970×340×440mm, 1 pc / Ctn                                                                                                                                                                                                                                                 |   |   |   |   |             |
| Weight                                                             | Gross Weight: 22 kgs, Net Weight: 18 kgs                                                                                                                                                                                                                                              |   |   |   |   |             |
| Note: "●"In Table Is Standard outfits, "○" Is Optional Accessories |                                                                                                                                                                                                                                                                                       |   |   |   |   |             |

## Product Size(mm)



# General Layout Diagram



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MICROSCOPE IS OUR FOCUS

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Opto-Edu is one of the most professional supplier for microscope & educational instruments from China. We have been focusing in this field for more than 15 years, has a professional sales team who can assist our customer to find the BEST SELECTED microscope with competitive price and 3 YEARS Warranty.

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