



OPTO-EDU (BEIJING) CO., LTD.

OPTO-EDU

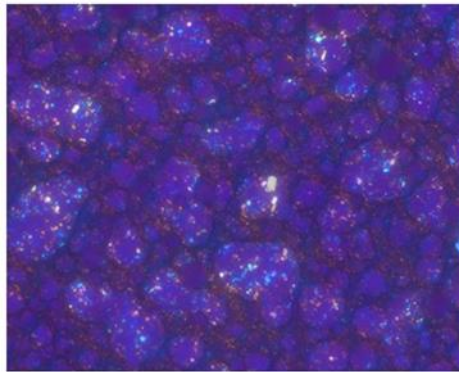
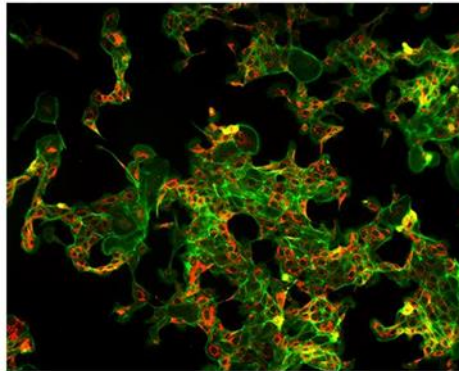
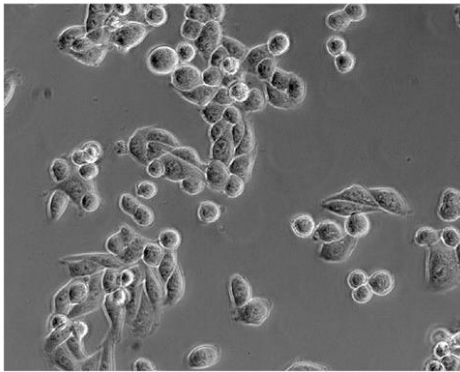
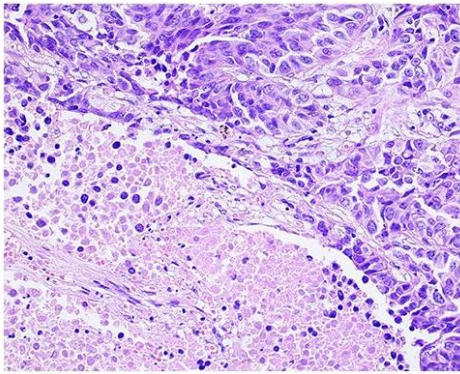
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A16.0911

LED Fluorescence Microscope, Phthisis Checking



Product Details



Based on advanced optical and mechanical technology, A16.0911 is specially designed for teaching, lab and clinical diagnosis. With excellent optical system and complete accessories, A16.0911 supports for bright/dark field, phase contrast, fluorescence, presents clear micro image. Integrated with intellectualized design, such as adjustable color temperature, A16.0911 creates an easy and efficient work experience.

LED Fluorescence attachment





Engineering Structure With Practicality And Aesthetic

The double - layer mechanical stage of A16.0911 adopts line rail for overload protection at the end of x axis, and avoids the potential hazard caused by



Cool Or Warm, Choose You Want

Most samples is suitable to be observed under natural white light, some water white samples should adopts warm color for outline and detail check. Unnecessary to add filters or change light source, color temperature range from 3000K to 5600K, A16.0911 is able to meet different demands for best image.



Intelligent Illumination System

A16.0911 with code nosepiece is able to automatically remember the light intensity of each objective which you are used to, helps to improve the work efficiency and decrease the visual fatigue. LCD beside the frame shows color temperature and light intensity, as well as the objective magnification you are using, is helpful to make record of experiment condition.



- UV2 (long pass) LED unit, center wavelength 365nm, is applied for DAPI/Hoechst 33342.
- B4 LED unit for professional TB test, center wavelength 455nm, is applied for AuramineO/wtGFP.
- B1 (band pass) LED unit, center wavelength 470nm, is applied for GFP/FITC.
- G1 (band pass) LED unit, center wavelength 500nm, is applied for FITC.

Other LED units for more option.



Optional:

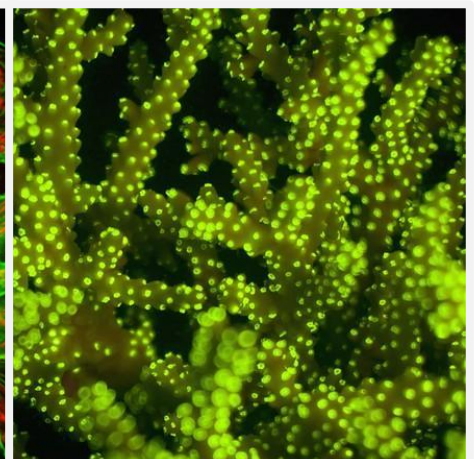
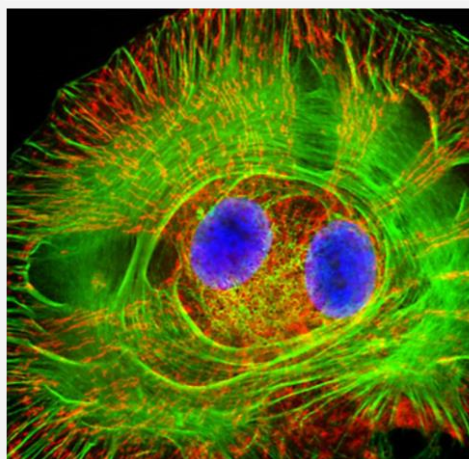
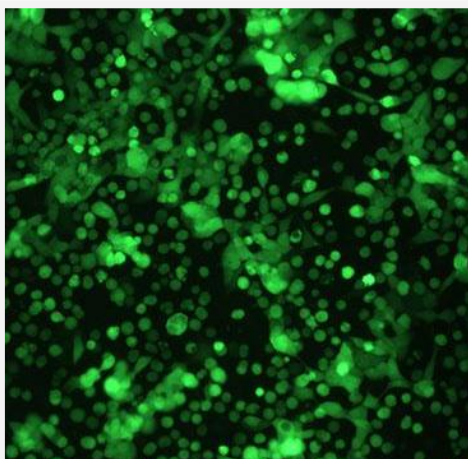
A: N.A. 1.25 Koehler illuminator DISC phase contrast condenser group, for 10x, 20x, 40x, 100x phase contrast observation

B: N.A. 1.25 Koehler illuminator DISC phase contrast + dark field condenser group, for 10x, 40x, 100x phase contrast observation and for 4x, 40x dark field observation

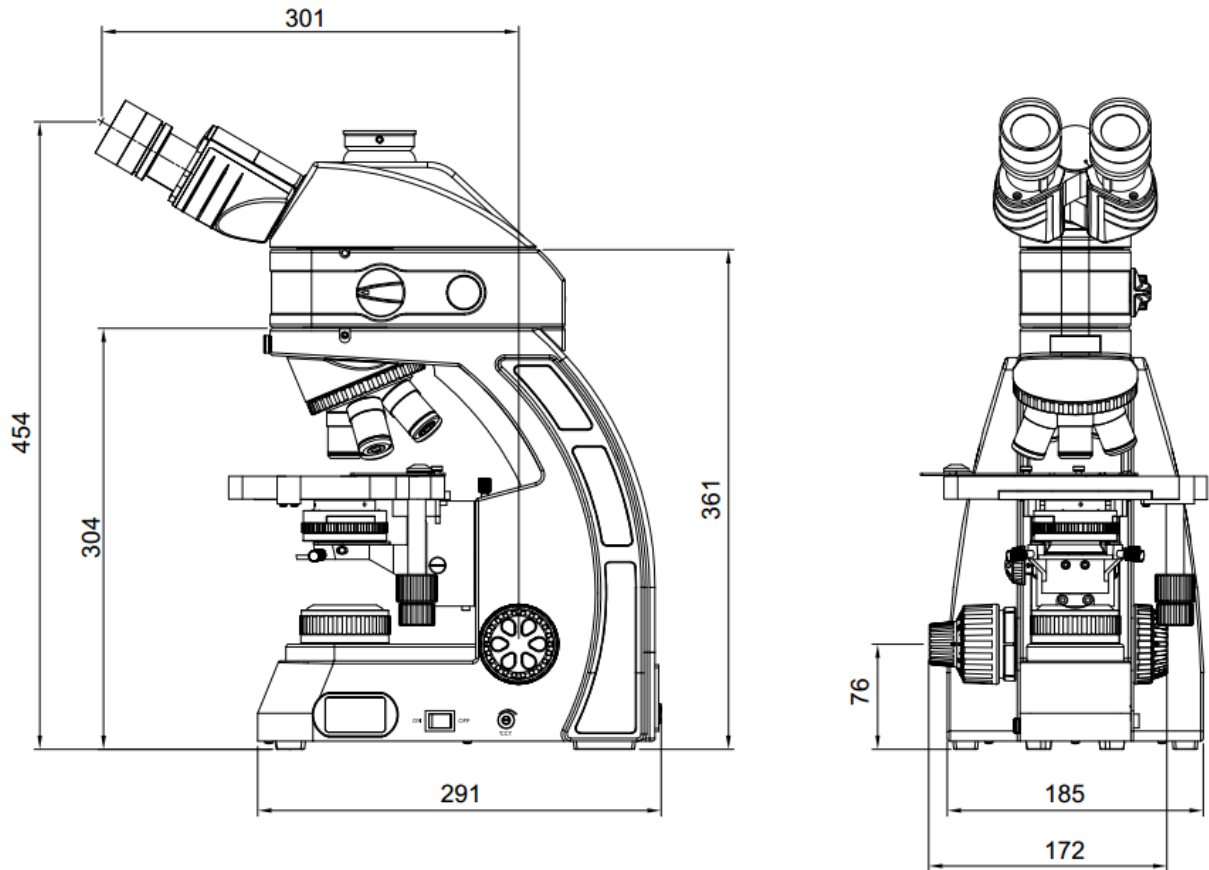
C: Phase contrast slide, for 10x, 40x phase contrast observation/Phase contrast slide, for 20x, 100x phase contrast observation

D: Phase Contrast Objective

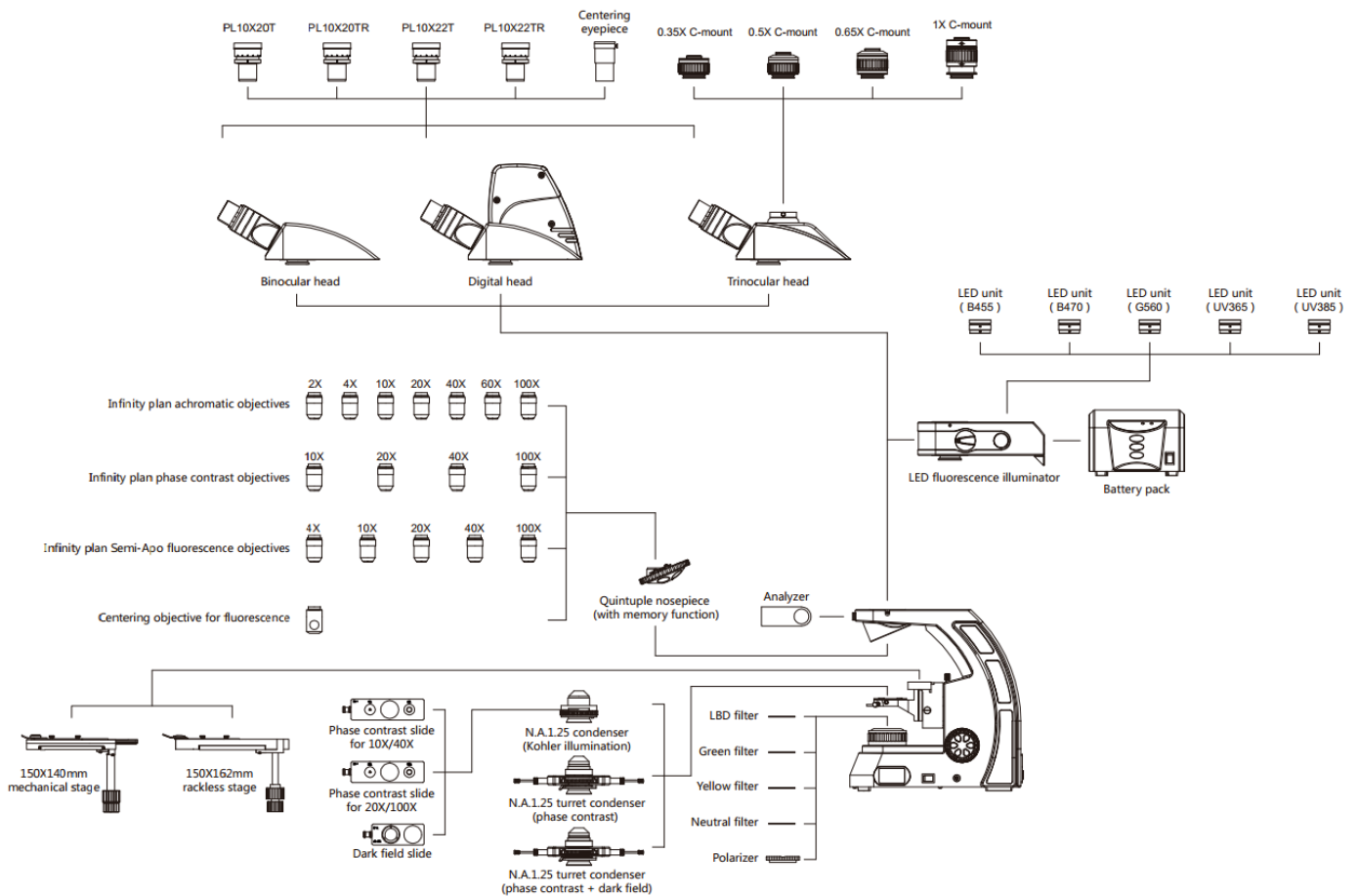
E: Centered eyepiece (Φ30mm)



Product Size (mm)



Product Diagram



Product Specification

A16.0911 LED Fluorescent Microscope, B4 For Phthisis Checking		
Optical System	Infinity Chromatic Aberration Correction System	
Head	Trinocular, Light Split 8:2, 30° Inclined, 360° Rotatable, Interpupillary Distance 50~75mm	
Eyepiece	PL10x/20mm, Wide Field, High Eye Point, Diopter Adjustable +/-5 Degree	
Nosepiece	5 Holes Backward Nosepiece	
Objective	Infinity Plan Achromatic 10x/0.25, 20x/0.50, 40x/0.65, 100x/1.25	
Working Stage	Rackless Double Layer Mechanical Stage 150*162mm, Moving Range 76*50mm, Precision 0.1mm	
Focusing	Low Position Coaxial Coarse & Fine Focusing Knob, with Safty Limitation and Tension Adjustment Ring. Coarse Range 25mm, Fine Precision 0.002mm	
Condenser	Kohler N.A.1.25, With Socket For Phase Contrast Slide	
Light Source	3W LED, Intensity Adjustable, With LCD Information Screen, Showing Adjustable Color Temperature (3000K-5600K), With Brightness Memory Function	
LED Fluorescent	B4 Tuberculosis Special LED Fluorescent Intermediate Modular, With Brightness Adjust Knob, BF/FL Switch Knob, LED Center Wavelength 455nm, Fluorescent Filter Band B4 Speically Used For Tuberculosis Inspection	
Power	90~240V Wide Range Power Supply	
A16.0911 LED Fluorescence Microscope Optional Accessories		
Head	Binocular Head 30° Inclined, 360° Rotatable, Interpupillary Distance Range 50~75mm	A53.0907-B30R
Eyepiece	PL10x/22mm, Wide Field, High Eye Point, Diopter Adjustable +/-5 Degree	A51.0904-N1022T
Infinity Plan Achromatic Objective	2x/0.06, WD=5.03mm (Field Complement Is Needed)	A52.0906-2
	4x/0.10, WD=11.9mm	A52.0906-4
	10x/0.25, WD=12.1mm	A52.0906-10
	20x/0.40, WD=1.5mm	A52.0906-20
	40x/0.65, WD=0.36mm	A52.0906-40
	60x/0.85, WD=0.30mm	A52.0906-60
	100x/1.25, WD=0.18mm	A52.0906-100
Infinity Plan Semi-Apochromatic Fluorescence Objectives	4x/0.13 W.D.=16.43mm	A5F.0931-4
	10x/0.30 W.D=8.13mm	A5F.0931-10
	20x/0.50 W.D=2.03mm	A5F.0931-20
	40x/0.75 W.D=0.74mm	A5F.0931-40
	100x/1.28 W.D=0.18mm	A5F.0931-100
Fluorescent	B1 LED Fluorescent Intermediate Modular, With Brightness Adjust Knob, BF/FL Switch Knob, LED Center Wavelength 470nm, Fluorescent Filter Band B1	A5F.0912-G1
	G1 LED Fluorescent Intermediate Modular, With Brightness Adjust Knob, BF/FL Switch Knob, LED Center Wavelength 560nm, Fluorescent Filter Band G1	A5F.0912-G1
	UV1 LED Fluorescent Intermediate Modular, With Brightness Adjust Knob, BF/FL Switch Knob, LED Center Wavelength 365nm, Fluorescent Filter Band UV1	A5F.0912-UV1
Adapter	C-Mount 0.35x, Focus Adjustable, For 1/3 CCD	A55.0925-35
	C-Mount 0.5x, Focus Adjustable, For 1/2 CCD	A55.0925-05
	C-Mount 0.65x, Focus Adjustable, For 2/3 CCD	A55.0925-65
	C-Mount 1.0x, Focus Adjustable	A55.0925-10
	Photo Adapter with PK or MD mount, with 3.2x Photo Eyepiece	A55.0901-1
	Professional Photo C Mount, With Photo Eyepiece	A55.0910
Battery Box	A56.0913 Rechargeable Battery Box --Specially Designed For A16.0907-BL LED Fluorescence Microscope --Output DC6V, Large Capacity 5000mA, Rechargeable, --Size 26*16*11cm	A56.0913

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