



Opto Edu A16.2253 Trinocular Fluorescence Microscope with Infinity Plan Achromatic Optical System Ultra Wide Field Eyepiece and 6 Holes Manual Operating Nosepiece

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: OPTO-EDU
- Certification: CE, Rohs
- Model Number: A16.2253
- Minimum Order Quantity: 1 pc
- Price: FOB \$1~1000, Depend on Order Quantity
- Packaging Details: Carton Packing, For Export Transportation
- Delivery Time: 5~20 Days
- Payment Terms: T/T, West Union, Paypal
- Supply Ability: 5000 pcs/ Month



Product Specification

- Eyepiece: Ultra Wide Field, Diopter Adjustable 10 X/ FN=23mm With Eyecup
- Nosepiece: 6 Holes Manual Operating Nosepiece
- Objective: Infinity Semi-APO FL Objective, Cover Glass- 0.17
- Focusing: Focusing Range: 27mm Coaxial Coarse And Fine Focusing System With Safety Stop Lock Ring & Tension Adjustable
- Working Stage: Manual Operating Working Stage Nano Anti-Wear Ceramic Coating Surface Right Hand XY Moving Knob With Damping Adjustment Ring
- Condenser: Abbe Condenser N.A=1.1 4X~100X
- Highlight: **A16.2243 Fluorescence Microscope, Infinity Plan Achromatic Optical System opto edu, opto edu microscope**

Product Description

Opto Edu A16.2253 Fluorescence Microscope Infinity Plan Achromatic Optical System



A13.2253
Metallurgical Microscope



A12.2253
Laboratory
Biological Microscope



A16.2253
Fluorescent Microscope



Key Features

Infinity Plan Achromatic Optical System with superior light transmission

Trinocular head with ultra-wide field view and multiple light split options

Diopter adjustable eyepiece with comfortable eyecups

6-hole coded manual nosepiece with RMS thread

Precision manual operating stage with nano anti-wear ceramic coating

Infinity Plan Achromatic Objectives: 4x, 10x, 20x, 40x, 100x

Abbe condenser with N.A=1.1 for 4x-100x magnification

SUPERMLED™ large power wide color gamut LED light source (60,000 hours)

Trinocular Head

Features ultra wide field, 30° inclined, rotatable upright image with light split options (E0/P100, E50/P50) or alternative version (E0/P100, E50/P50, E100/P0).



Nosepiece & Working Stage

6 holes coded manual operating nosepiece with RMS thread. Manual operating stage (3"x2") features nano anti-wear ceramic coating with right-handed XY coaxial adjustment and damping adjustment ring.



Achromatic Objective

Infinity Plan Achromatic Objective set includes 4x, 10x, 20x, 40x, and 100x magnification options for versatile observation capabilities.



Condenser & Light Source

Abbe condenser with N.A=1.1 for 4x-100x magnification. SUPERMLED™ large power wide color gamut LED light house provides 60,000 hours of operation at 4500K color temperature.



Button Control Magnification

Magnification switching via touch button on the body prevents pollution, wear, and looseness caused by direct contact with objective lenses.



Fluorescent Illuminator Turret

Epi-fluorescent illumination with 4 holes, built-in UV, blue, green excitation module, and polarizing slot for advanced fluorescence applications.



High-Precision Electric Platform

The electric platform (stepper motor) adopts the same connection method as manual stage, requiring only one bolt for upgrade. Features long X-axis travel capable of loading 1-4 standard slides simultaneously with integrated control software.

A12.2253, A13.2253, A16.2253 Optional

OPTO-EDU



Encoded Electric Z-axis Accessories

Composed of dual-axis stepper motor and multi-turn encoder with minimum step size of 0.8 degrees. Provides real-time

feedback of Z-axis coordinate data with simple installation requiring only 2 screws.



Multifunctional Computer Drive

Enables control of electric objective turntable, electric stage, electric Z-axis, and camera external trigger. Communicates via RS232 and USB ports for software control and programmed action processing.



Electric Microscope Joystick Controller

Provides full control over electric loading platform (XY), electric Z-axis (Z), and electric objective turntable (R) with high, medium, and low speed switches. Supports precise XYZ control and up to 6 objective lenses.



Technical Specifications

Item	A12.2253 Laboratory Biological	A16.2253 Fluorescent	A13.2253 Metallurgical	Model No.	Part No.
Optical System	ECGO Infinity Plan Mutual Achromatic Optical System, Confocal: 45mm	●	●		
Standard Observation Method	BF	BF,FL	BF/DF		
Optional Observation Method	DF,PH,PL,FL	DF,PH,PL	PL, DIC		



A54.2201-S53F
Manual Main Body



A54.2201-S53F2
Full Motorized Main Body



A54.2201-SA



A53.2201-ST01



A53.2201-ST02



A55.2201-1xC



A53.2201-ST03



A53.2201-ST04



A55.2201-1xA



A55.2201-63xA



A55.2201-63xB



A55.2201-63xC



A55.2201-05xC





A5M.2211 (Metallurgical BF Objective: MPLFLN Infinity Plan Semi-Apo EPI BF Objective)



A5M.2212 (Metallurgical BF Objective: NEOPLAN Infinity Semi-APO FL EPI BF Objective)



A5M.2215 (Metallurgical BF/DF Objective: MPLFLN Infinity Plan Semi-APO EPI BD Objective)



A5M.2216 (Metallurgical BF/DF Objective: MXAPO Infinity Plan Semi-APO FL EPI BD Objective)



A5C.2212 (Phase Contrast Objective: UPLFLN Infinity Plan Semi-APO FL Phase Contrast Objective)



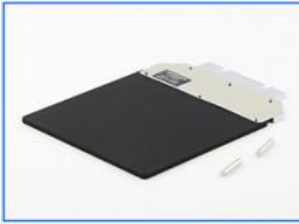
A54.2204-O32



A54.2204-O44



A54.2204-SH



A54.2204-M32



A54.2204-M33



A54.2204-M44



A56.2201-S



A56.2201-11



A56.2201-14



A56.2204-1



A56.2204-2



A5F.2201



A5F.2201-L93



A5F.2201-L91



A5F.2201-LC93



A5F.2201-LC91



A50.2202-3



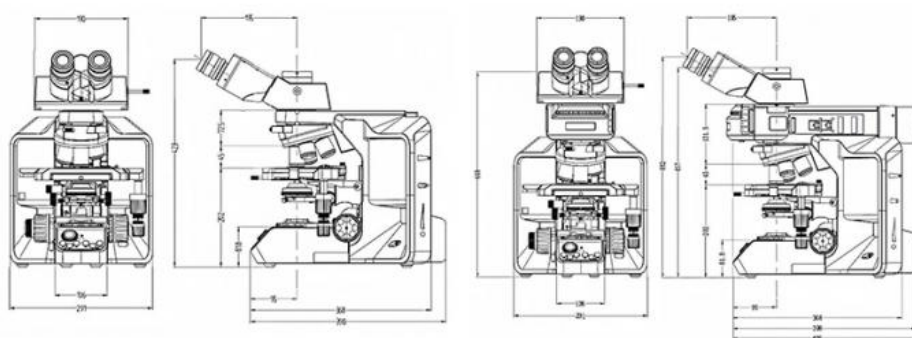
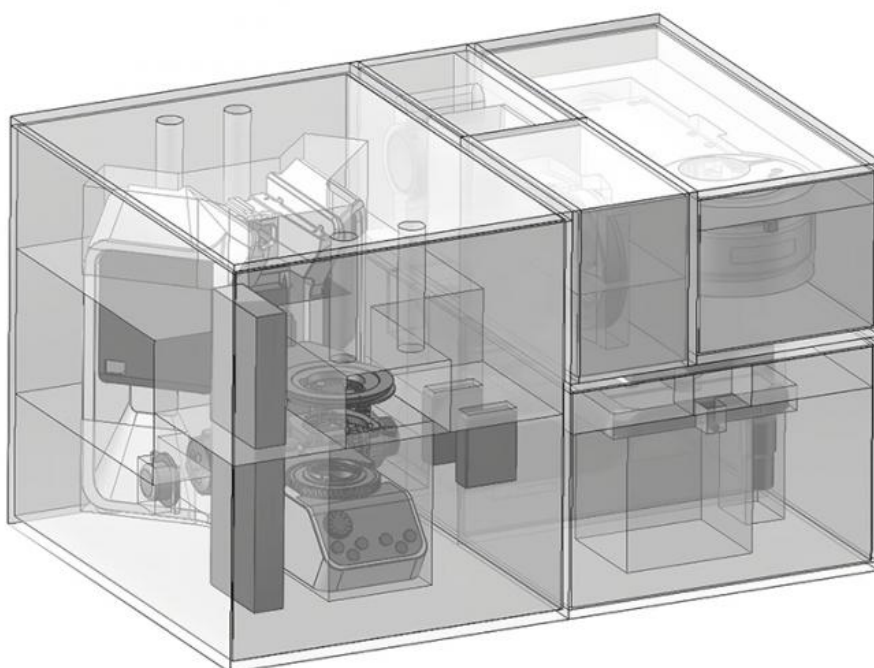
A50.2203-5



A12.2253, A13.2253, A16.2253 Dimension

OPTO-EDU

Carton Box: 695mm X 480mm X 435mm
Gross Weight: 30kg



Unit: mm





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