OPTO EDU A16.1093-L Trinocular LED Upright Fluorescent Light Microscope Semi Auto

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A16.1093-L
- Minimum Order Quantity: 1 pc
- Price: Negotiation
- 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

- Observation Method: Bright Field, Flourescent
- Main Body: ATL Semi-Auto Body + LED Illumination
- Head: Ergo Tilting Trinocular Head, Inclination 0°~35°
- Eyepiece: SW10x/25mm, High Eyepoint, Diopter Adjustable, Dia.30mm
- Nosepiece: Auto Coded Nosepiece, Sextuple, Backward
- Objective: N-PLFN Infinity Plan Semi-APO Fluorescent Objective
- Highlight: **OPTO EDU fluorescent light microscope**, **Trinocular fluorescent light microscope**, **LED fluorescent light microscope**

More Images

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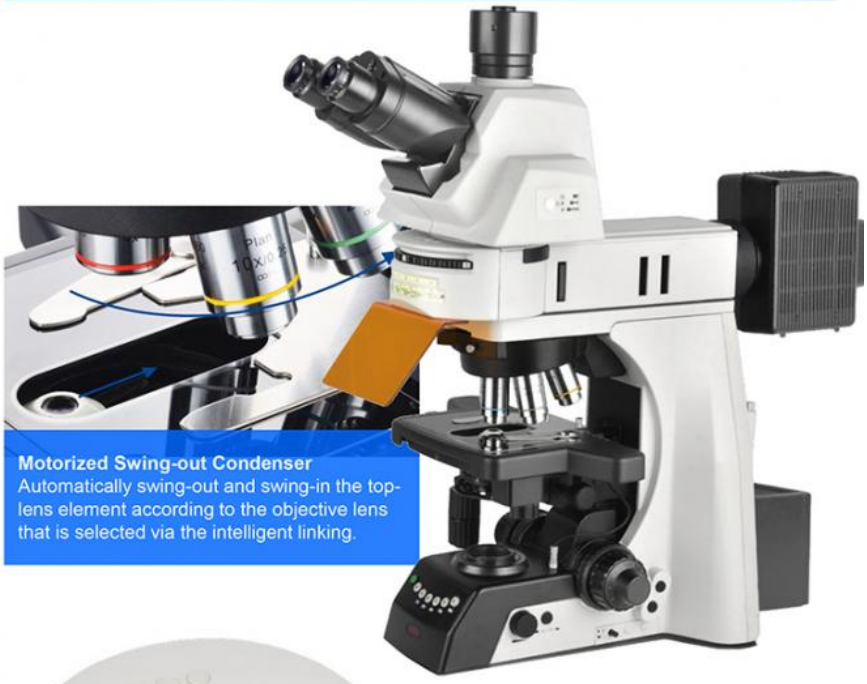
Product Description

Tilting Trinocular 0-35°, EW10x/25mm, Auto Sextuple Nosepiece, Infinity Plan Semi-APO Fluorescent 4x10x20x40x100x, Rackless Stage 190x152/ 78x54mm, Auto Swing-Out Condenser NA0.9/0.25, Coaxial, Transmit Light 3W LED, Kohler Illumination, Auto Adjust Brightness, ECO Function, Reflect Epi-Fluorescent 100W HBO Mecury Light, Fluorescent Filter B,G,UV,V

A16.1093 Upright Fluorescent Microscope, Semi-Auto



Motorized Swing-out Condenser
Automatically swing-out and swing-in the top-lens element according to the objective lens that is selected via the intelligent linking.

Excellent Fluorescent Viewing
All the fluorescent filter blocks use the high-performanced filter lens. The reflected light source body can assemble 6 filter blocks, that allows operators to view different stained specimens at the same time.

Adapter To Lower Stage Position
To lower the stage by 1", by adding a block up the nosepiece, so that operators can change the slides position easily and comfortably

Ergo Tilting Trinocular Head
Eye tube can be adjustable from 0° to 35°. Trinocular tube can be connected to SLR camera and digital camera, having a 3-position beam splitter (0:100, 100:0, 80:20), the splitter bar can be assembled on the either side according to user's requirement.

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Put Slides By One Hand
It is easy for operators to put slides by one hand due to the convex point guide mechanism.

Sapphire Glass Stage Insert
Mechanical stage with a gorilla glass insert is endurable and allows operators to easily clear the stage. We have sapphire glass for your optional choice.

Low-position Control Knobs
The height of the stage control knobs can be adjusted up or down by 18mm to ensure a comfortable hand position, and with adjustable tension control

Focusing System
Coaxial focusing system with low-postion X-Y coaxial control knobs. The ergonomic design provides operators comfortable experience.

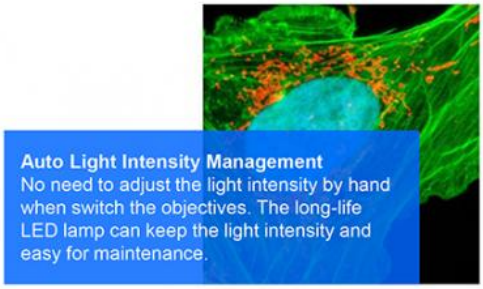
Nosepiece Rotating Buttons
This microscope has the function of automatically rotating nosepieces and adjusting the light intensity.

Auto Light Intensity Management
The Management system can automatically adjust to the suitable light intensity according to the different setup of objectives from the low to high magnifications, and reduce the eye fatigue at the same time. The long-life LED lamp can keep the light intensity and easy for maintenance.

Image Capture Button
The digital camera could capture images just by pressing the black 'capture' button at the side of the bottom of the microscope body.

Remote Control Pad
Objectives could be switched by simply pressing the rotating buttons. Users could also self-define two of the most commonly used objectives.
User could swap between these two objectives by pressing the green button.

Left/Right Focusing Wheel Interchangeable
In order to better adapt to users with different operating habits, the focus and stage can be easily adjusted to the left or right hand position for operation



Auto Light Intensity Management
No need to adjust the light intensity by hand when switch the objectives. The long-life LED lamp can keep the light intensity and easy for maintenance.

◆ **Fluorescent Viewing**
The compact epi-fluorescent components includes noise elimination feature which ensures images captured are bright, with high contrast and high signal-to-noise ratio.

LED Epi-Fluorescent Illuminator

Mercury Epi-Fluorescent Illuminator

A16.1093 Research Level Fluorescent Laboratory Microscope		A16.1093-H	A16.1093-L	Cata. No.
Optical System	NIS60 Infinity Optical System	●	●	
Observation Method	Bright Field	●	●	
	Dark Field	○	○	
	Polarizing	○	○	
	Phase Contrast	○	○	
	Flourescent	●	●	
	S	○	○	
Main Body	ATL Semi-Auto Body + LED Illumination. Auto Nosepiece + Auto Condenser + Auto Brightness Adjust	●	●	A54.1090-ATL

Head	Ergo Tilting Trinocular Head, Inclination 0°~35°, Interpupillary Distance 47-78mm, 3 Level Ligth Split Switch E100:P0/E20:P80/E0:P100	●	●	A53.1090-TT
Eyepiece	SW10x/25mm, High Eyepoint, Diopter Adjustable, Dia.30mm	●●	●●	A51.1090-1025
	SW10x/22mm, High Eyepoint, Diopter Adjustable, Dia.30mm	○	○	A51.1090-1022
	EW12.5x/16mm, High Eyepoint	○	○	A51.1090-12516
	WF15x/16mm, High Eyepoint, Diopter Adjustable, Dia.30mm	○	○	A51.1090-1516
	WF20x/12mm, High Eyepoint, Diopter Adjustable, Dia.30mm	○	○	A51.1090-2012
Nosepiece	Auto Coded Nosepiece, Sextuple, Backward, Motorized Switch Objectives, Controled By: 1. Shortcut Button On Right Side Of Base, Can Switch 2 Preseted Objectives Quickly 2. Remote Control Pad In Front Of Base, Press Each Button To Switch Objectives And Adjust The Light Intensity Automatically. 2 Buttons Can Be Self-Defined For Most Commonly Used Objecives, Press Green Button Can Swap Between Them	●	●	A54.1091-6A
	With Slot For Polarizing Compensator Slider Or DIC Slider	●	●	
N-PLFN Infinity Plan Semi-APO Fluorescent Objective	PlanF S-APO 4x/0.13, W.D.16.5mm, Cover Glass 0.17mm	●	●	A5F.1091-4
	PlanF S-APO 10x/0.30, W.D.8.1mm, Cover Glass 0.17mm	●	●	A5F.1091-10
	PlanF S-APO 20x/0.50, W.D.2.1mm, Cover Glass 0.17mm	●	●	A5F.1091-20
	PlanF S-APO 40x/0.75, W.D.0.7mm, Cover Glass 0.17mm	●	●	A5F.1091-40
	PlanF S-APO 100x/1.30(Oil), W.D.0.15mm, Cover Glass 0.17mm	●	●	A5F.1091-100
Working Stage	Double Layer Mechnical Stage Full Size 302x152mm, Stage Table Size 190x152mm, Moving Range 78x32mm, Double Slide Holder, With Sapphire Glass Insert, Left Handle	○	○	A54.1092-SL
	Double Layer Mechnical Stage Full Size 302x152mm, Stage Table Size 190x152mm, Moving Range 78x32mm, Double Slide Holder, With Sapphire Glass Insert, Right Handle	●	●	A54.1092-SR
	Low Position Control Knob, Height Adjustable Up/Down 18mm, Convex Point Guide Mechanism For Easily Put Slide By One Hand, With Tension Adjustable Ring, With Safety Stop Screw	●	●	
Condenser	Auto Swing-Out Condenser NA0.9/0.25	●	●	A56.1091-A
Focusing	Coaxial Coarse & Fine Focusing, Fine Division 0.001mm, Focusing Range 35mm, Coarse Stroke 37.7mm, Fine Stroke 0.1mm, Can Exchange Hand Wheel Between Left/Righ	●	●	
Light Source	Transmit Kohler Illumination, Brightness Adjustable, 12V100W Halogen, External Lamp House	●		A56.1090-12V100W
	Transmit Kohler Illumination, Brightness Adjustable, 3W S-LED, Built-in Main Body		●	A56.1090-3WLED
	ECO Function Support Auto Power Off After 30 Mins From Operator Leave To Save Energy	●	●	A56.1090-ECO
	Auto Brightness Adjust, Brightness For Each Objective Can Be Memorized And Restored When Objective Is Selected	●	●	A56.1090-AB
Filter For Transmit Light	Filter Holder On Base, Can Hold 3 Filters	●	●	A56.1092-H
	Filter LBD	●	●	A56.1092-LBD
	Filter Green	●	●	A56.1092-G
	Filter Yellow	●	●	A56.1092-Y
	Filter ND6	●	●	A56.1092-ND6
	Filter ND25	●	●	A56.1092-ND25
Adapter	Eyepiece Adapter Dia.23.2mm	○	○	A55.1090-E
	C-Mount 1.0x	○	○	A55.1090-1.0x

	C-Mount 0.5x	○	○	A55.1090-0.5x
Software	NOMIS Basic Image Processiing Software	○	○	A30.1090
Dark Field	Dark Field Condenser, N.A. 0.7~0.9, Dry	○	○	A5D.1090-D
	Dark Field Condenser, N.A. 1.25~1.36, Immersion	○	○	A5D.1090-I
	Dark Field Objective, Infinity Plan 100X, For Immersion Dark Field Observation	○	○	A5D.1030-3
	Dark Field Objective, Infinity Plan 100X, With Iris Diaphragm, For Immersion Dark Field Observation	○	○	A5D.1030-4
Polarizing	Polarizer For Transmit Light Source	○	○	A5P.1091-P
	Analyzer Slide For Transmit Light Source	○	○	A5P.1091-A
	Gout Set: Polarizer, λ Slide, Quaterz Wedge Slide	○	○	A5P.1091-T
	Upgrade To A15.1091 Professional Polarizing Microscope			A15.1091
Phase Contrast	Turret Phase Contrast Condenser, Center Adjustable	○	○	A5C.1090
	Centering Telescope 10x	○	○	A5C.1092
	Infinity Plan Phase Contrast Objective N-PLN PH 10x/0.25	○	○	A5C.1091-10
	Infinity Plan Phase Contrast Objective N-PLN PH 20x/0.40	○	○	A5C.1091-20
	Infinity Plan Phase Contrast Objective N-PLN PH 40x/0.65	○	○	A5C.1091-40
	Infinity Plan Phase Contrast Objective N-PLN PH 100x/1.25(Oil)	○	○	A5C.1091-100
DIC	Polarizer For Transmit Light Source	○	○	A5P.1090-TP
	Turret DIC Condenser	○	○	A5C.1095
	DIC Slide 10x, Used With Semi-APO Fluorescent Objective	○	○	A5C.1095-10
	DIC Slide 20x/40x, Used With Semi-APO Fluorescent Objective	○	○	A5C.1095-2040
	DIC Slide 100x, Used With Semi-APO Fluorescent Objective	○	○	A5C.1095-10
	DIC Slide With Analyzer 10x-20x	○	○	A5C.1095-1020P
	DIC Slide With Analyzer 40x-100x	○	○	A5C.1095-40100P
Fluorescent Attachment	Reflect Mercury Epi-Fluorescent Illuminator, Turret Disc With 6 Positions For Fluroescent Filter Block, With Protect Barrier	●	●	A5F.1090
	Power Supply Box 220V/110V Interchargeable, Digital Display	●	●	A5F.1090-100WH
	100W Mercury Lamp Housing	●	●	A5F.1090-100WP
	Reflect LED Epi-Fluorescent Illuminator, Turret Disc With 6 Positions For Fluroescent Filter Block, With Protect Barrier	○	○	A5F.1090-LED
	LED Light Source Module, For Fluorescent Filter B	○	○	A5F.1090-LB
	LED Light Source Module, For Fluorescent Filter G	○	○	A5F.1090-LG
	LED Light Source Module, For Fluorescent Filter U	○	○	A5F.1090-LU
	LED Light Source Module, For Fluorescent Filter V	○	○	A5F.1090-LV
	Fluorescent Filter B, BP460-490, BA520, DM500	●	●	A5F.1090-B
	Fluorescent Filter G, BP510-550, BA590, DM570	●	●	A5F.1090-G
	Fluorescent Filter U, BP330-385, BA420, DM400	●	●	A5F.1090-U
	Fluorescent Filter V, BP400-410, BA455, DM455	●	●	A5F.1090-V
	Fluorescent Filter FITC, BP460-495, BA510-550, DM505	○	○	A5F.1090-FITC
	Fluorescent Filter DAPI, BP360-390, BA435-485, DM415	○	○	A5F.1090-DAPI
	Fluorescent Filter TRITC, BP528-553, BA578-633, DM565	○	○	A5F.1090-TRITC
	Fluorescent Filter R, BP620-650, BA670-750, DM660	○	○	A5F.1090-R
	Fluorescent Filter Empty Block	○	○	A5F.1090-E
	Filter ND6	●	●	A5F.1090-ND6

	Filter ND25	●	●	A5F.1090-ND25
	Centering Plate	○	○	A5F.1090-01
	Protect Cover For Reflect Fluorescent Light, Placed On Light Collectory On Stand, For Auto Model	○	○	A5F.1090-02
Other Accessories	Working Stage Holder Bracket	●	●	A54.1096
	Adapter To Adjust Eye Position	○	○	A54.1096-A1
	Adapter To Lower The Stage Position 1"	○	○	A54.1096-A2
	Immersion Oil	●	●	A50.1090-01
	Allen Wrench	●	●	A50.1090-02
	Power Cord	●	●	A50.1090-03
	Short Eye Cover, For Eyepiece	○	○	A50.1090-04
	Long Eye Cover, For Eyepiece	○	○	A50.1090-05
	Eyepiece Micrometer, Cross	○	○	A50.1090-06
	Adapter Ring To Install Eyepiece Micrometer	○	○	A50.1090-07
	USB Cable	○	○	A50.1090-08
Note:"●"In Table Is Standard Outfits,"○" Is Optional Accessories "-" Is Unavailable				

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