China

CE, Rohs

A16.1098

Negotiation

5~20 Days

5000 pcs/ Month

1 pc

CNOEC, OPTO-EDU

Full Motorized Opto Edu Microscope Semi APO BF / PH / PL / FL / DIC

Carton Packing, For Export Transportation

Basic Information

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity:
- Price:
- Packaging Details:
- Delivery Time:
- Payment Terms: T/T, West Union, Paypal
- Supply Ability:



Product Specification

• Eyepiece:	SW10x/22mm, High Eyepoint, Diopter Adjustable, Dia.30mm
Nosepiece:	Motorized Coded Manual Sextuple Nosepiece, With DIC Slot
Objective:	N-iPLFN PH Infinity Plan Semi-APO Phase Contrast Objective
• Focusing:	Motorized Z Axies (Optical Grating Type) Focusing System
Working Stage:	Motorized X/Y Axies (Optical Grating Type) Mechnical Stage
Condenser:	Motorized Long Working Distance Turret Condenser, N.A.0.55
Highlight:	Full Motorized opto edu microscope,

Full Motorized opto edu microscope, Semi APO opto edu microscope, BF opto edu microscope OPTO-EDU



More Images



Research Level Full Motorized Inverted Fluorescent Microscope For BF/PH/FL/DIC Motorized Sextuple Nosepiece With DIC Slot, Infinity Plan Sem-APO PH10x20x40x Motorized Triple Layer Working Stage Moving Range 130x85mm, With 3 Holder Motorized LWD Condensor N.A.0.55 W.D.26mm, With 6 Holes Phase Contrast Disc Motorized 6 Position Fluorescent Disc, With 3 Filters



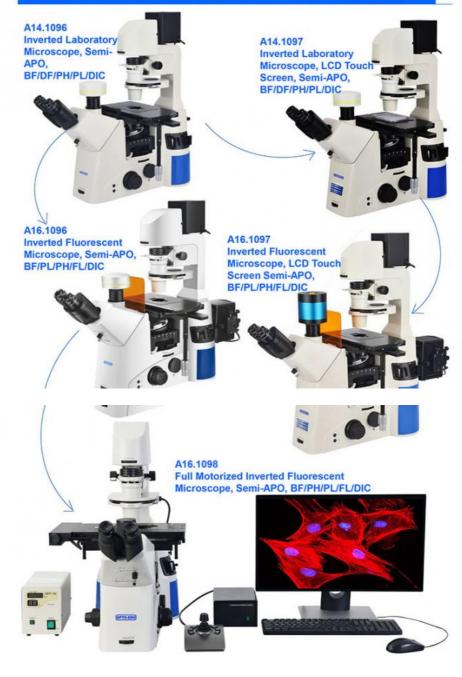
F-1501 Wanda Plaza, No.18 Shijingshan Road, Beijing 100043, China Tel:+8610 88696020 Fax:+8610 88696085

A16.1098

Full Motorized Inverted Fluorescent Microscope Semi-APO, BF/PH/PL/FL/DIC



A14.109-6&7, A16.109-6&7, A16.1098 Series Microscope





Medial Changeable Lens

With built-in turret structure, 1x and 1.5x lens can be changed accordingly

Transmit/Reflect Illumination Switch Knob

The illumination control knobs to switch transmit / epi-fluorescent reflect illumination are located on the right side of main body, for easy operation

4.3" **LCD Information Touch Screen** (A16.1097) In Front of Main Body, For Easy Watch & Control in The Dark Working Condition.

- --Show Objectives In Use In Nosepiece
- --Show Cubes In Use In Multi Function Turret
- --Brightness Memorize & Restore Function
- --Touch To Adjust Brightness
- --Touch To Set The System



Focusing

Motorized Z Axies (Optical Grating Type) Focusing System, Focusing Range 9mm (Up 7mm, Down 2mm), Focusing Resloution 0.02um With Optical Grating, Movement Repeat Positioning Accuracy +/-0.1um, Prevent Stage Fall Down Function

Working Stage

Motorized X/Y Axies (Optical Grating Type) Mechanical Stage, Size 325x144mm, Moving Range 130x100mm, Max Speed 10mm/s, Resolution 0.1um, Repeat Accuracy +/-0.5um, Available For Different Size Small Stage Mounted on Top Layer, With Separate Communication/Main Control Box & Stick





Motorized Coded Manual Sextuple Nosepiece

Condenser

Motorized Long Working Distance Turret Condenser, N.A.0.55, W.D.26mm, With 6 Positions For Phase Contrast Annulus, DIC Annulus, And Bright Field View

Nosepiece

Motorized Coded Manual Sextuple Nosepiece, With DIC Slot, With Objective Protection Function When Switch The Objectives



Fluorescent mercury lamp power box

The intelligent fluorescent mercury lamp power box adopts air-cooled design, with low noise and stable voltage. The unique automatic memory usage time and shutdown time can ensure that the mercury lamp is fully cooled to the greatest extent, protect the life of the mercury lamp, and improve the mechanical efficiency

Joystick Module

Flexible positioning of electric stage



Trinocular Head With Built-in Bertrand Lens

The built-in bertrand lens can observe the pupil of the objective lens when moving into the light path, and act as a centering telescope

Flexible Transmit Illuminator

With retroverted Illuminator, thereby ensuring large space for operation and sample exchange

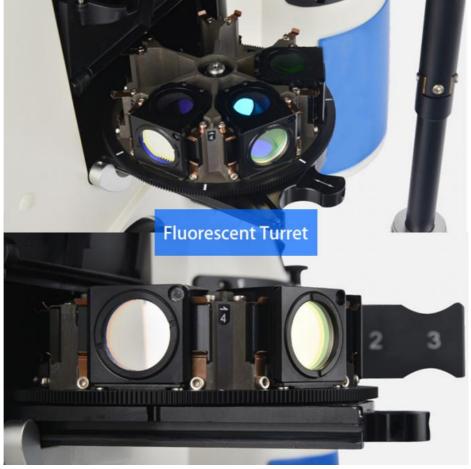
Long Working Distance Turret Condenser

LWD turret structure, with 6 positions for phase contrast annulus, DIC annulus, & bright field view, meets various test needs. condenser N.A.0.55, W.D.26mm



Simple And Fast Operation, Iris Slider

Reflective field diaphragm, aperture diaphragm and filter plate, three different types of diaphragm sliders show the versatility of A16.1098 in in vivo cell research. When the aperture diaphragm and the fluorescence filter insert are used together, the fluorescence intensity can be adjusted to the most ideal according to the selected fluorescence module and objective lens

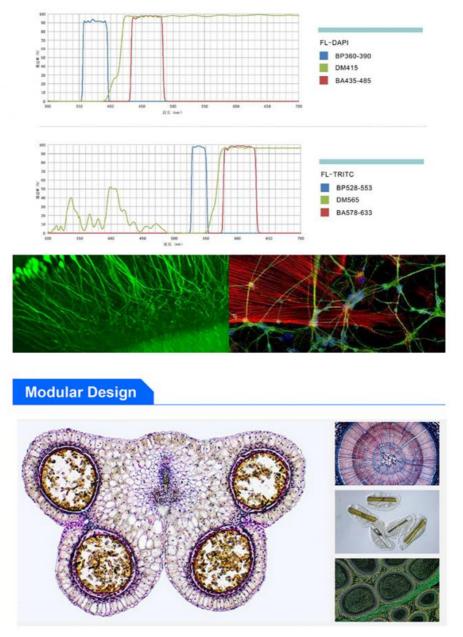


Fluorescent Turret

Fluorescence excitation module turntable type: easier and more flexible It adopts multifunctional six-station turntable structure: it can be easily taken out from the host, and it is convenient to replace various fluorescence excitation modules







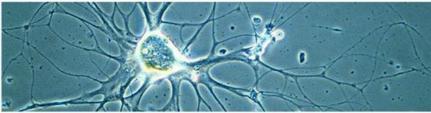
• Bright Field Observation

Unique infinity optical system, combined with semi-apochromatic fluorescent objective lens, effectively eliminates field curvature, chromatic aberration, spherical aberration, coma and other imaging problems, the image is brighter, all magnifications can achieve higher super-resolution and flat type



Phase Contrast Observation

Phase contrast is an optical contrast technology that uses a phase contrast objective lens and a condenser ring. The high-efficiency halogen lamp can provide a bright light source and obtain clear images even at high magnification



DIC

It is a very cost-effective optical technology. It does not require expensive optical components. The relief contrast only uses a brightfield objective lens and two phase contrast adjustment sliders. For thicker samples, such as induced pluripotent stem cells, DIC can provide Three-dimensional glare-free images, while the use of traditional phase contrast observation methods usually appear halo. In addition, DIC can use glass petri dishes, which is a very practical observation technique.



Product Accessories

Photo Adapter

Provide 0.4x, 0.5x, 1x C-Mount for users to choose, used to connect camera, camera and other image acquisition systems



A5C.1098 N-iPLFN PH Infinity Plan Semi-APO Phase Contrast Objective

Multi-layer coating technology, semi-apochromatic objective lens can compensate spherical aberration and chromatic aberration from ultraviolet to

near infrared. The 20x and 40x semi-apochromatic objectives have a built-in correction ring that can correct for poor coverage caused by nonstandard cover glass thickness. Highly sensitive fluorescence performance ensures the sharpness, clarity and color reproduction of collected images



Different Size Small Stage Holders









Dia.54mm Holder Universal Holder

Terasaki Holder Dia.38mm

96-well plates

 Mercury Light Source
The standard osram 100W HBO ultra-high pressure spherical mercury lamp has large fluorescent brightness and uniform field of view. At the same time, a closing gate is set at the front end of the vertical illuminator, which can cut off the fluorescent lighting at any time to protect the sample





◆ Metal Halide Light Source Optional 75W metal halide light source, bulb life up to 2000 hours. The light intensity is greater, the field of view is brighter and uniform

 LED Light Source
 4-color LED light source, adjustable brightness, bulb
 life is up to tens of thousands of hours. Low phototoxicity and high friendliness to fine samples such as cells, which solves the problems of traditional mercury lamp fluorescence that require preheating, cooling, and high temperature during use



Resear	rch Level Inverted Biological Microscope	A14.1096	A14.1097	A16.1096	A16.1097	A16.1098	Cata.No.
Optical System	NIS60 Infinite Optical System, Semi-APO	•	•	•	•	•	
	Bright Field	•	٠	•	•	•	
	Dark Field	-	-	0	0	0	
Observation	Phase Contrast	•	•	•	•	•	
Method	Polarizing	•	•	•	•	•	
	Flourescent	0	0	•	•	•	
	DIC	0	0	0	0	0	
LCD Screen	4.3" LCD Information Touch Screen In Front of Main Body, For Easy Use in Dark Working Condition. Show Objectives In Use In Nosepiece Show Cubes In Use In Multi Function Turret Brightness Memorize & Restore Function Touch To Adjust Brightness Touch To Set The System	-	•	-	•	0	
lead	Seidentopf Trinocular Head, Inclined 45°, Interpupillary Distance 47-78mm, Ligth Split Switch E100:P0/E20:P80/E0:P100, With Built-in Bertrand Lens Which Can Be Used As Centering Telescope	•	•	•	•	•	
Eyepiece	SW10x/25mm, High Eyepoint, Diopter Adjustable, Dia.30mm	0	0	0	0	0	A51.1090-1025
	SW10x/22mm, High Eyepoint, Diopter Adjustable, Dia.30mm	•	•	•	•	•	A51.1090-1022
	EW12.5x/17.5mm, High Eyepoint, Diopter Adjustable, Dia.30mm	0	0	0	0	0	A51.1090-12516
	WF15x/16mm, High Eyepoint, Diopter Adjustable, Dia.30mm	0	0	0	0	0	A51.1090-1516
	WF20x/12mm, High Eyepoint, Diopter Adjustable, Dia.30mm	0	0	0	0	0	A51.1090-2012
Media Lens	Built-in Media Lens Turret 1.0x, 1.5x, Under Nosepiece	•	•	•	•	-	
	Built-in Media Lens Turret 1.0x, 1.5x. CF, Under Nosepiece	-	-	-	-	•	
	Manual Sextuple Nosepiece, With DIC Slot	•	-	•	-	-	
Nosepiece	Coded Manual Sextuple Nosepiece, With DIC Slot	-	•	-	•	-	
	Motorized Coded Manual Sextuple Nosepiece, With DIC Slot, With Objective Protection Function When Switch The Objectives	-	-	-	-	•	
	4x/0.13, W.D.16.5mm, No Cover Glass	0	0	0	0	0	A5C.1098-4
	10x/0.30, W.D.7.4mm, Cover Glass 1.2mm	•	•	•	•	•	A5C.1098-10
N-iPLFN PH Infinity Plan	20x/0.45, W.D.7.5-8.8mm, Cover Glass 0-2mm, With Built-in Correct Ring	•	•	•	•	•	A5C.1098-20

<u> </u>	40x/0.6, W.D.3-4.4mm, Cover Glass 0-2mm, With Built-in Correct Ring	٠	•	•	•	•	A5C.1098-40
Objective	60x/0.75, W.D.1.8-2.6mm, Cover Glass 0.1-						
	1.3mm, With Built-in Correct Ring	0	0	0	0	0	A5C.1098-60
	Coaxial Coarse & Fine Focusing, Focusing						
	Range 9mm (Up 7mm, Down 2mm), Coarse	•	•	•	•	_	
	Stroke 2mm, Fine Stroke 0.2mm	•	•	•	· ·		
	Motorized Z Axies (Optical Grating Type)						
Focusing	Focusing System, Focusing Range 9mm (Up						
	7mm, Down 2mm), Focusing Resloution 0.02um	-	-	-	-	•	
	With Optical Grating, Movement Repeat					_	
	Positioning Accuracy +/-0.1um, Prevent Stage Fall Down Function						
	Three Layer Mechnical Stage, Moving Range						
	130x85mm, Flexible Knob, Available For						
	Different Size Small Stage Mounted on Top	•	•	•	•	-	A54.1098
	Layer						
	Motorized X/Y Axies (Optical Grating Type)						
	Mechnical Stage, Size 325x144mm, Moving						
	Range 130x100mm, Max Speed 10mm/s,						
	Resloution 0.1um, Repeat Accuracy +/-0.5um,	-	-	-	-	•	A54.1098-M
	Available For Different Size Small Stage Mounted on Top Layer, With Separate						
	Communication/Main Control Box & Stick						
	Dia.38mm Holder For Slide & Petri Dish	٠	•	•	٠	•	A54.1098-38
	Dia.54mm Holder For Petri Dish	٠	٠	•	٠	•	A54.1098-54
	96 Holes Plate Holder	٠	٠	•	٠	•	A54.1098-96
	Terasaki Holder	٠	•	•	•	•	A54.1098-TH
	Universal Holder	•	•	•	•	•	A54.1098-UH
	Long Working Distance Turret Condenser, N.A.0.55, W.D.26mm,						
	With 6 Positions For Phase Contrast Annulus,	•	•	•	•	-	A56.1098
.	DIC Annulus, And Bright Field View						
Condenser	Motorized Long Working Distance Turret						
	Condenser, N.A.0.55, W.D.26mm, With 6		_				A56.1098-M
	Positions For Phase Contrast Annulus, DIC					•	A30.1000 M
	Annulus, And Bright Field View						
	Multi Function Turret Under Nosepiece, With 6						
	Positions For Cubes Of Bright Field, Dark Field, Phase Contrast, Polarizing, Fluorescent View,	•	•	•			
	Turning The Disc To Easily Switch Observation	•	•	•			
	Methods						
	Coded Multi Function Turret Under Nosepiece,						
Multi Function	With 6 Positions For Cubes Of Bright Field, Dark						
Turret	Field, Phase Contrast, Polarizing, Fluorescent	-	-	-	•	-	
	View, Turning The Disc To Easily Switch						
	Observation Methods						
	Motorized Coded Multi Function Turret Under Nosepiece, With 6 Positions For Cubes Of Bright						
	Field, Dark Field, Phase Contrast, Polarizing,	-	-	-	-	•	
	Fluorescent View, Turning The Disc To Easily						
	Switch Observation Methods						
Dark Field	Dark Field Block, Put In Multi Function Turret, For	0	0	0	0	0	A5D.1098
	Reflect Light Source						
Polarizing For	Polarizer Filter On LWD Turret Condenser	•	•	•	•	•	A5P.1098-P
Transmit Light	Analyzer Slide, Insert Into Slot On Nosepiece, 360° Rotatable	•	•	•	•	•	A5P.1098-A
	Polarizer Light Block, Put In Multi Function Turret	0	0	0	0	0	A5P.1098-PL
Polarizing For	Circularly Polarized Light Block, Put In Multi						
Reflect Light	Function Turret	0	0	0	0	0	A5P.1098-CP
	Phase Contrast Annulus 10x/20x, Put In Turret						AEC 1000 1000
	Condenser	•	•	•	•	•	A5C.1096-1020
Phase	Phase Contrast Annulus 40x, Put In Turret	•	•	•	•	•	A5C.1096-40
Contrast	Condenser						
Contrast	Phase Contrast Annulus 60x, Put In Turret	0	0	0	0	0	A5C.1096-60
Contrast					-		
Contrast	Condenser			0	0	0	A5C.1097-A10
Contrast	DIC Annulus 10x, Put In LWD Turret Condenser	0	0		-		AFO 1007 11-1
Contrast	DIC Annulus 10x, Put In LWD Turret Condenser DIC Annulus 20x, Put In LWD Turret Condenser	0	0	0	0	0	A5C.1097-A20
Contrast	DIC Annulus 10x, Put In LWD Turret Condenser DIC Annulus 20x, Put In LWD Turret Condenser DIC Annulus 40x, Put In LWD Turret Condenser	0	0	0	0	0	A5C.1097-A40
	DIC Annulus 10x, Put In LWD Turret Condenser DIC Annulus 20x, Put In LWD Turret Condenser DIC Annulus 40x, Put In LWD Turret Condenser DIC Annulus 60x, Put In LWD Turret Condenser	0 0 0	0 0 0	0 0 0	0	0	A5C.1097-A40 A5C.1097-A60
DIC	DIC Annulus 10x, Put In LWD Turret Condenser DIC Annulus 20x, Put In LWD Turret Condenser DIC Annulus 40x, Put In LWD Turret Condenser DIC Annulus 60x, Put In LWD Turret Condenser DIC Slider 10x, Insert Into Slot On Nosepiece	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	A5C.1097-A40 A5C.1097-A60 A5C.1097-S10
	DIC Annulus 10x, Put In LWD Turret Condenser DIC Annulus 20x, Put In LWD Turret Condenser DIC Annulus 40x, Put In LWD Turret Condenser DIC Annulus 60x, Put In LWD Turret Condenser	0 0 0	0 0 0	0 0 0	0	0	A5C.1097-A40 A5C.1097-A60

Illumniation	Transmit/Reflect Illumnation Switch Knob, On						
	Right Side Of Main Body, Press To Switch	٠	•	•	•	•	
	Transmit And Reflect Switch Light Quickly						
	12V100W Halogen Kohler Illumination,						
	Brightness Adjustable,						
Transmit	Flexible Illuminator Body Can Retrovert From	٠	•	•	•	•	A56.1095-12V100
Light Source	Optical Path For Large Space of Operation And						
0	Sample Exchange						
	10W S-LED Kohler Illumination, Brightness	0	0	0	0	0	A56.1095-10WLEE
							450 4005 1 0
	Large Filter Holder Slide With 3 Holes	0	0	•	•	•	A56.1095-LS
Reflect	Field Diaphram Slide, Center Adjustable,	0	0	•	•	•	A56.1095-FS
Light Source	Small Empty Slide	0	0	•	•	•	A56.1095-ES
9	Aperture Diaphragm Slide	0	0	٠	٠	٠	A56.1095-AS
	Neutral Filter	0	0	•	•	•	A56.1095-NE
	Reflect 100W Osram Mercury HBO Fluorescent						
	Light House						
	Intelligent Power Supply Control Box	0	0	•	•	•	A5F.1095-100W
	With Barrier To Stop/Recover Fluorescent						
	Illumination Quickly						
	10W S-LED Fluorescent Light, 4 Color Bands,	0	0	0	0	0	A5F.1095-10WLEI
	Brightness Adjustable By Control Box						
Reflect	75W Metal Halide Light Source, Life Time 2000	0	0	0	0	0	A5F.1095-75WM
Fluorescent	Hours						
Light Source	Fluorescent Filter B Block, Put In Multi Function	0	0	•	•	•	A5F.1095-B
	Turret		-				
	Fluorescent Filter G Block, Put In Multi Function	0	0	•	•	•	A5F.1095-G
	Turret						
	Fluorescent Filter U Block, Put In Multi Function	0	0	•	•	•	A5F.1095-U
	Turret						
	Fluorescent Filter V Block, Put In Multi Function	0	0	0	0	0	A5F.1095-V
	Turret						
Metallurgical	Upgrade To <u>A13.1090</u> Inverted Metallurgical	0	0	0	0	0	A13.1090
	Microscope						
	3 Camera Ports, On Both Side Of Main Body And Head, Turret Switch Between:						
Adapter	Trinocular Port Switch						
	E100:P0/E20:P80/E0:P100	٠	•	•	•	•	
	Left Port C-Mount 1.0x E0:P100						
	Right Port C-Mount 1.0x E20:P80						
	C-Mount 0.4x	0	0	0	0	0	A55.1095-04
	C-Mount 0.5x	0	0	0	0	0	A55.1095-05
	C-Mount 1.0x	•	•	•	•	•	A55.1095-10
Coffwore		•	•	•	•	•	A30.1090
Software Note:"●"In Tat	NOMIS Basic Image Processiing Software	0	Ű	0	0	0	A30.1090

Software Function

Measurement Function

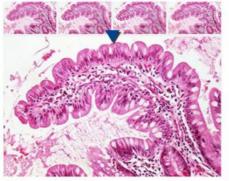
In cell observation and section observation, you need to use the measurement function. To determine the cell size, cell gap, synapse length and other data. The software can provide measurement of distance, angle, rectangle, circle, ellipse, etc.



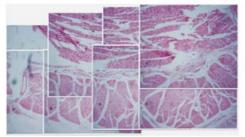


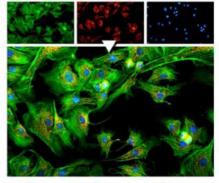
Cell Counts

Customize cell counting requirements, automatically count and count the shape information of cells, including: size, location, volume, circumference, brightness, etc. And all data including processed images can be saved as excel sheet



• Depth Of Field Fusion Users can collect multiple images with different focal lengths by fine-tuning the focal length, and synthesize one image for output. Suitable for specimens that require a certain depth of field or poorly made sections





 Fluorescence image synthesis By collecting or importing images of different fluorescence channels, users can obtain images after fluorescence synthesis. For the image of each channel, the displacement in the x direction and y direction can be adjusted to achieve the fine-tuning effect

• Quick Splicing By collecting and importing images in real time, the software can quickly stitch together to form a large-size and highresolution image

System Diagram & Size(mm)

