OPTO EDU A16.1065 LCD Screen Inverted LED Fluorescent Microscope Tiltable Binocular Photo Port On Side

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A16.1065
- 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

- Head: Tilting Seidentopf Binocular Head, Incline 0-45° Adjustable
- Eyepiece / F.O.V: EW10x/22mm, Diopter Adjustable, Dia.30mm
- Nosepiece: Coded Quintuple Nosepiece, Dovetail Interface
- Objective: LWD Infinity Plan Semi-APO Fluorescent Objective
- Working Stage: Plain Working Stage 170(X) X 250(Y)mm,
- Condenser: Long Working Distance Detachable Condenser NA 0.3
- Highlight: **usb digital microscope**, **infinity plan microscope**

More Images

Our Product Introduction

for more products please visit us on cnoec.com

Product Description

Brand New Design 2019 High Level Inverted Fluorescent Microscope

Epi-Fluorescence Attachment, Turret With 3 Holes For Filter Cubes B,G,U Bands

Super Long Working Distance Upto 187mm Condenser

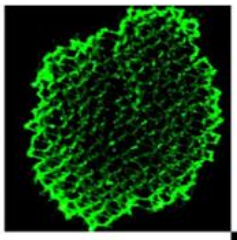
Coded 5 Holes Nospiece With LCD Screen And Auto Brightness Adjust Function

Phase Contrast, Hoffman Contrast, Emboss Contrast (DIC) Optional

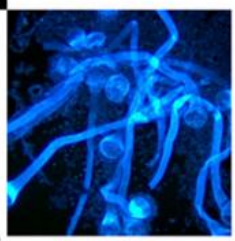
OPTO-EDU (BEIJING) CO., LTD.

A16.1065

Inverted LED Fluorescent Microscope, B,G,U



Bright Field
Phase Contrast
Hoffman Phase Contrast
DIC Emboss Contrast
Epi-Fluorescent



3W LED
Kohler Illumination
Detachable Abbe
Condenser

Creative LCD
Screen With
Coded Nosepiece
& ECO Function

Professional Cell Observation

Ergonomic Design, Comfortable Operation

0-45° Adjustable Inclined Viewing Head Inclined
Viewing Head Makes The User To Operate Microscope In A Comfortable Position. Minimize Muscle Tension And Discomfort Caused By Long Working Hours.

Long-handle Mechanical Stage
The User Can Make Comfortable And Smooth Movement During The Operation, Thereby Improving Work Efficiency And Comfort.

High Brightness, Long Lifetime LED Illumination

LED Illuminator, Suitable For Various Observation With A High Brightness And Long Lifetime Led Illumination System For Both Transmission And Fluorescent Lighting, Proving Even Brightness And Cool Lighting. Adopt Long Life LED Light Source And Infinity Optical System, Easy To Obtain High-definition And High Contrast Wide Viewing Images.

Intelligent Operating System

• Objective Coding Converter
It Can Memorize The Illumination Brightness When Using Each Objective. When Different Objectives Are Converted To Each Other, The Light Intensity Is Automatically Adjusted To Reduce Visual Fatigue And Improve Work Efficiency.

Use A Dimming Knob To Achieve Multiple Functions

Click: Enter Standby Status, Press + Up-spin: Switch To The Upper Light Source; Double Click: Light Lock Or Unlock, Press + Down-spin: Switch To The Under Light Source; Rotation: Adjust Brightness, Press 3 Seconds: Set The Time Of Turning Off The Light After Leaving.

The Display Of Microscope Use State

The Liquid Crystal Screen On The Front Of The Microscope Can Display The Using State Of The Microscope, Including Magnification, Light Intensity, Standby Status, And So On.

Start & Working Mode | Lock Mode | ECO Mode | Sleep Mode

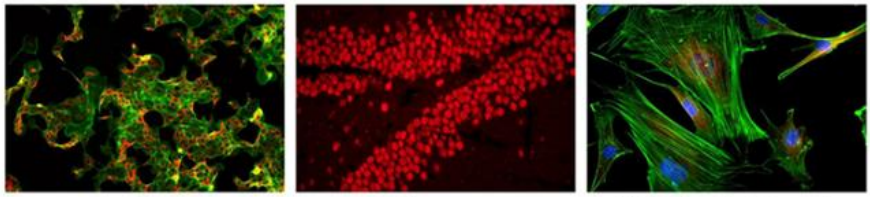
Fluorescent Observation

LED Light Makes Fluorescent Observation Easier

• Uniform Brightness
Matching With Kohler Illumination, The Fly-eye Lens Delivers Uniform Brightness To The Entire Filed Of View, Whether Through The Eyepiece Or Through CCD Camera.

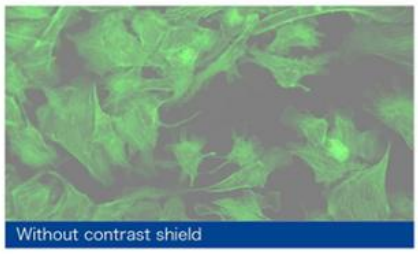
• LED Easy To Use
Compared With The Traditional Mercury Bulb, The Led Eliminate Frequent Bulb Replacements, Saving Time And Money. Also The Problems Of Preheating, Cooling And High Temperature Is Solved.

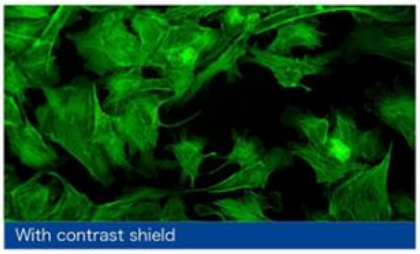
Suitable For A Variety Of Fluorescent Dyes
Equipped With 3 Fluorescent Filter Blocks, It Provides A Wide Range Of Choice Of Dyes And Capture Clear High Contrast Fluorescence Images.



Breast Cancer | Hippocampus | HC3T3 Mouse Brain Nerve Cells

Contrast Shield
The Contrast Shield Can Effectively Block The Interference Of The External Light, Increase The Contrast Of The Fluorescent Image, And Provide A High Signal-to-noise Ratio Fluorescent Image. When Need Phase Contrast Observation, The Contrast Shield Is Very Convenient To Be Removed From The Light Path, Avoiding Influence On The Quality Of Phase Contrast.





Convenient For Cell Sampling And Aseptic Manipulation

The Microscope Control Mechanism Is Reasonable In Layout And Easy To Operate
Make Reasonable Improvement On Basis Of Scientific Research Microscope. More Suitable For Laboratory Observation Of Cells.
The Body Is Compact And Stable, And The Operation Buttons Are Well Arranged, The Cells Can Be Observed, Sampled And Processed In The Super Clean Bench Freely.
The Frequently Used Control Mechanisms Are Close To The User And In Low-hand Position. This Kind Of Design Makes Operation More Quickly And Conveniently, And Reduce The Fatigue Caused By The Long Observation. On The Other Hand, It Reduces The Airflow And Dust Caused By Large Amplitude Operation, And It Is Very Effective To Reduce The Probability Of Sample Pollution. It Is A Strong Guarantee For The Accuracy And Repeatability Of The Experimental Results.

Various Holders For Different Culture Containers

Various Holders Are Available For Different Culture Containers, Such As Petri Dishes, Well Plates, And Culture Flasks. As Well As Available For Different Size Petri Dishes.

Detachable Condenser

When Culture Flask Is Used, The Condenser Can Be Removed To Increase Working Distance. It Is Also Suitable For Multilayer Culture Flask.

The Body Is Compact, Stable And Suitable For Clean Bench

Can Be Sterilized In The Clean Bench

On The Premise Of Ensuring The Effect Of Imaging, A14.1065 Is With Relative Compact Design. The Volume And Weight Of The Body Is Reduced As Much As Possible In Principle Of Stability. The Compact Body Is With Anti-uv Coating And Can Be Placed Into The Clean Bench For Sterilization Under Uv Lamp.

Cell Sampling And Operation Can Be Performed In Clean Bench

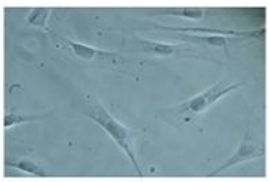
The Distance Between The Eye Point To The Operation Button And The Focusing Knob Of The A14.1065 Is Relatively Short, And The Distance From The Stage Is Far Away. It Is Available To Make The Viewing Head And Operating Mechanism Outside, And Stage, Objectives And Sample Inside. So Realize Cell Sampling And Operation Inside And Observing Comfortably Outside.

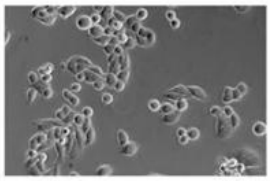
Transmission

Phase Contrast

By Using Changes In The Refractive Index, High Contrast Microscopic Images Of Transparent Samples Can Be Obtained With Phase Contrast Observation Technique. The Advantage Is That The Details Of Live Cell Imaging Can Be Obtained Without Staining And Fluorescent Dyes.

Application Range: Living Cells In Culture, Microorganism , Tissue Slide , Subcellular Grains (including Cell Nuclei And Organelles).





Hoffman Modulation Phase Contrast

With Slant Light, Changing Phase Gradient Into Light Intensity Variety, It Can Be Used To Observe Unstained Cells And Living Cells.

DIC 3D Emboss Contrast

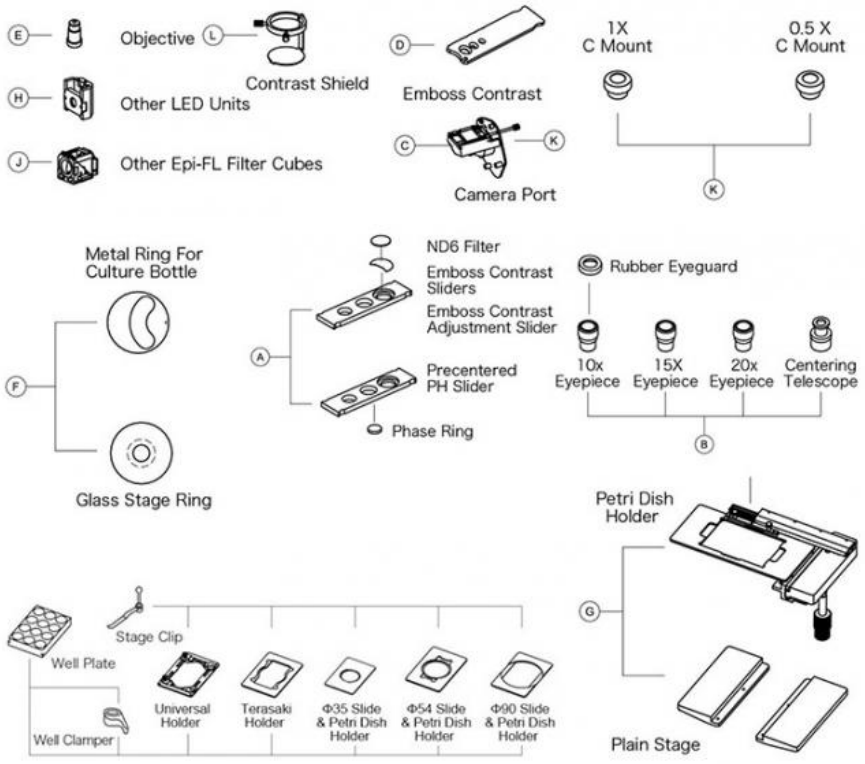
Even Without Extra Optical Components, No Glare 3D Image Can Be Obtained Just Through Adding Adjustment Slider. Both Glass And Plastic Petri Dishes Are Available.

A14.1065 Inverted Biological Microscope, A16.1065 Inverted LED Fluorescent Microscope		A14.1065	A16.1065	Cata. No.
Optical System	NIS60 Infinite Optical System (F200)	●	●	
Observation Method	Bright Field,	●	●	
	Phase Contrast	●	○	
	Epi-Fluorscence	○	●	
	DIC 3D Emboss Contrast	○	○	
	Hoffman Phase Contrast	○	○	
Head	Tilting Seidentopf Binocular Head, Incline 0-45° Adjustable , Interpupillary Distance 48-75mm, Eyepiece Tube Dia.30mm	●	●	
Eyepiece / F.O.V	EW10x/22mm, Diopter Adjustable, Dia.30mm	●	●	A51.1030-1022
	EW15x/16mm, Diopter Adjustable, Dia.30mm	○	○	A51.1030-1516
	EW20x/12mm, Diopter Adjustable, Dia.30mm	○	○	A51.1030-2012
Nosepiece	Coded Quintuple Nosepiece, Dovetail Interface	●	●	
	4x/0.10, W.D.30.0mm	●	○	A5M.1032-4

LWD Infinity Plan Objective	10x/0.25, W.D.10.2mm	○	○	A5M.1032-10
	20x/0.40, W.D.12.0mm	○	○	A5M.1032-20
	40x/0.60, W.D.2.20mm	○	○	A5M.1032-40
LWD Infinity Plan Phase Contrast Objective	4x/0.10, W.D.30.0mm	○	○	A5C.1038-4
	10x/0.25, W.D.10.2mm	●	○	A5C.1038-10
	20x/0.40, W.D.12.0mm	●	○	A5C.1038-20
	40x/0.60, W.D.2.20mm	●	○	A5C.1038-40
LWD Infinity Plan **Semi-APO** Phase Contrast Objective	4x/0.13, W.D.17.0mm	○	○	A5C.1039-4
	10x/0.3, W.D.7.4mm	○	○	A5C.1039-10
	20x/0.45, W.D.8.0mm	○	○	A5C.1039-20
	40x/0.60, W.D.3.6mm	○	○	A5C.1039-40
	20x/0.45, W.D.7.5-8.8mm With Iris Adjustable	○	○	A5C.1040-20
	40x/0.60, W.D.3.0-4.4mm With Iris Adjustable	○	○	A5C.1040-40
	60x/0.70, W.D.1.8-2.6mm With Iris Adjustable	○	○	A5C.1040-60
LWD Infinity Plan Semi-APO Fluorescent Objective	4x/0.13, W.D.17.0mm, Cover Glass -	-	●	A5F.1032-4
	10x/0.30, W.D.7.4mm, Cover Glass1.2mm	-	●	A5F.1032-10
	20x/0.45, W.D.8.0mm, Cover Glass1.2mm	-	●	A5F.1032-20
	40x/0.60, W.D.3.3mm, Cover Glass1.2mm	-	●	A5F.1032-40
	60x/0.70, W.D.1.8-2.6mm, Cover Glass1.2mm	○	○	A5F.1032-60
Focusing System	Coaxial Coarse & Fine Adjustment, Tension Adjustable (At Right Hand), Fine Division 0.002mm, Coarse Focusing Range Up 7mm, Down 1.5mm, Max Up To 18.5mm After Removing Focusing Limit.	●	●	
Working Stage	Plain Working Stage 170(X) x 250(Y)mm,	●	●	
	Attachable Mechanical Moving Stage, X-Y Coaxial Moving 128x80mm	●	●	A54.1063-XY
	Stage Clip	●	●	A54.1063-SC
	Well Clamper For Well Plate	●	●	A54.1063-WC
	Glass Stage Plate	●	●	A54.1063-G
	Metal Stage Plate For Culture Bottle	○	○	A54.1063-M
	Auxilliary Plate 2 Pieces (1 Piece Each Side)	●	●	A54.1063-A
	Universal Holder	●	●	A54.1063-U
	Terasaki Holder	○	○	A54.1063-T
	Dia.35mm Petri Dish Holder	○	○	A54.1063-35
	Dia.54mm Slide & Petri Dish Holder	○	○	A54.1063-54
	Dia.65mm Slide & Petri Dish Holder	○	○	A54.1063-65
	Dia.90mm Petri Dish Holder	○	○	A54.1063-90
Condenser	Long Working Distance Detachable Condenser NA 0.3, W.D.75mm, Without Condenser W.D.187mm	●	●	
Illumination	Transmitted Illumination 3W S-LED Kohler Illumination	●	●	
	Reflected Illumination 3W LED, For Epi-Fluorescence	○	●	
Phase Contrast	Centering Telescope 10x, Tube Dia. 30mm	●	○	A5C.1063-T
	Phase Slider For 4x//10x-20x-40x	●	○	A5C.1063-S
	Phase Slider For 10x-20x,40x APO Objectives	○	○	A5C.1063-APOS1
	Phase Slider For 4x,60x APO Objectives	○	○	A5C.1063-APOS2
Emboss Contrast DIC	Emboss Contrast Slider For 10x-20x-40x Universal Emboss Contrast Plate For 10x-20x-40x	○	○	A5C.1063-DIC
Hoffman Phase Contrast	Hoffman Phase Contrast Set: --Hoffman Phase Contrast Condenser, With Polarizer, --Hoffman Phase Contrast Objective 10x, 20x, 40x --Hoffman Phase Slider For 10x, 20x, 40x --Centering Telescope 10x, Tube Dia. 30mm	○	○	A5C.1064
Epi-Fluorescence Attachment	Epi-Fluorescence Attachment, Turret With 3 Holes For Filter Cubes, With Noise Terminator Mechanism, With Attachable UV Shield	○	●	
	Filter Cube B + LED Unit, 365nm	○	●	A5F.1063-B
	Filter Cube G + LED Unit, 405nm	○	●	A5F.1063-G
	Filter Cube U + LED Unit, 485nm	○	●	A5F.1063-U
	Filter Cube V + LED Unit, 525nm	○	○	A5F.1063-V
	Filter Cube FITC	○	○	A5F.1063-FITC
	Filter Cube DAPI	○	○	A5F.1063-DAPI
	Filter Cube TRITC	○	○	A5F.1063-TRITC
Photo Port	Head Side Camera Port Switchable 100/0:0/100	●	●	
Photo Adapter	1.0x C-Mount	●	●	A55.1063-1.0
	0.5x C-Mount	○	○	A55.1063-0.5
	0.7x C-Mount	○	○	A55.1063-0.7
Power Supply	AC 100-240V,50/60Hz	●	●	
LCD Screen	LCD Screen On Front Of Body, Display Using State Of Microscope, Including Magnification, Light Intensity, Standby Status, **ECO** Set Power Off Timer 5 Mins to 8 Hours, And So On.	●	●	
Dimensions	244(W)x543(D)x526(H) mm	●	●	

Note:"●"In Table Is Standard Outfits,"○" Is Optional Accessories "-" Is Unavailable

System Diagram



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