



22mm OPTO EDU Polarizing Metallurgical Optical Microscope

Our Product Introduction

for more products please visit us on cnoec.com

Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A13.0901N-R
- 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

- Optical System: Bright Field, Dark Field, Polarizing, DIC, Reflect Light
- Head: ETTR 5°-35° Tilttable Trinocular Head, Infinity Sedentopf
- Eyepiece: High Eyepoint Plan PL10x/22mm
- Objective: LWD Infinity Plan Metallurgical BF/DF DIC Objective
- Nosepiece: Backward, Quintuple For Bright/Dark Field, With DIC Slot
- Working Stage: 6" Three Layer Mechanical Stage, For Transmit & Reflect Light
- Highlight: **Polarizing Metallurgical Optical Microscope, OPTO EDU Metallurgical Optical Microscope, 22mm Metallurgical Optical Microscope**

Oblique Lighting

The Use Of Oblique Illumination Can Make The Three-dimensional Patterns Of Different Material Parts On The Surface Of The Object Increase The Contrast And Visual Effect Of Observation.



FPC 10X Brightfield



FPC 10X Oblique

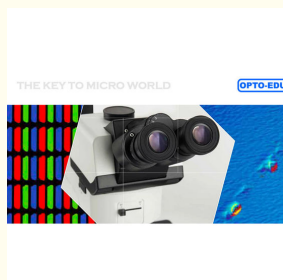
Dark Field Observation

Pull The Transfer Stick To Dark Field Position To Observe Scratch, Impurity Dot And Other Small Defect Of The Sample Surface. Built-in Attenuator Reduces The Intensity Of Light Change To Eyes When Switching Between Bright Field And Dark Field.



FPC 10X Dark Field

More Images



Multifunction - Meet Various Testing Needs

Bright Field Observation (Reflect)
Kohler Illumination, Infinite Long Working Distance Plan Apochromatic Metallurgical Objectives Ensure Image Clear, Flat And Sharp From Low To High Magnification.



IC 5X Brightfield



Sapphire 5X Brightfield

Bright Field Observation (Transmit)
90° LED, N.A. 0.8 Condenser, Can Observe Low Color Liquid Crystal Display, Silicone Frame Edge Etc. Under Transmission Illumination.

Transmitted Illumination And Reflected Illumination Are Independently Controlled And Can Be Used Simultaneously Or Independently.



LCD 10X Transmitted Light

Product Description

Infinity Tilting Trinocular Head

ETTR Erect Gemel Trinocular Head, Same Direction And Same Moving Direction For Objective And Image, Easy To View And Operate. The Head Can Be In Common Use For A13.0910 Series.

Long Working Distance Metallurgical Objectives

New Design Of Long Working Distance Professional Metallurgical Objectives. Use Semi-apochromatic And Multilayer Broadband Coating Technology, Image Clear And Sharp In The Whole Field, Color Nature And Bright. Long Working Distance Design, W.D.7.9mm For 50x, W.D.2.1mm For 100x, And There Is 20x Ultra-long Working Distance Metallurgical Objective, Which Greatly Expands The Application Field Of Mx Series. Complete Set Of Bright/darkfield Objectives Special Use For Mx6r, Luminance Of Darkfield Illumination Reaches Double More Than Traditional

Design Of Large-stroke Mobile Platform

Adopt 4"/6" Platform Design, Not Only Suitable For Corresponding Size Wafer And Fpd Inspection, But Also For Array Inspection Of Small Size Samples.

6" Three Layer Mechanical Stage, For Transmit & Reflect Light

Size 445*240mm, Moving Range For Reflect Light 158*158mm, For Transmit Light 100*100mm, Low Position X/Y Moving Handle, With Glass Plate, With Clutch Handle To Move Quickly In Full Range

THE KEY TO MICRO WORLD

OPTO-EDU



Ergonomics - High Working Efficiency



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Adopt 4"/6" Platform Design, Not Only Suitable For Corresponding Size Wafer And Fpd Inspection, But Also For Array Inspection Of Small Size Samples. 6" Three Layer Mechanical Stage, For Transmit & Reflect Light
Size 445*240mm, Moving Range For Reflect Light 158*158mm, For Transmit Light 100*100mm, Low Position X/Y Moving Handle, With Glass Plate, With Clutch Handle To Move Quickly In Full Range

A13.0901 BD DIC Semi-APO Polarizing Metallurgical Microscope		R	RT	Cata. No.
Optical System	Bright Field, Dark Field, Polarizing, DIC, Reflect Light	●		
	Bright Field, Dark Field, Polarizing, DIC, Transmit & Reflect Light		●	
Head	ETTR 5°-35° Tilttable Trinocular Head, Infinity Sedentopf, Interpupillary Distance 50~76mm, Light Spilting Ratio Switch E100:P0/E0:P100, Erect Image	●	●	A53.0911-T535
CCD Adapter	0.5x C-Mount, For 1/2"CCD, Focus Adjustable	○	○	A55.0931-05
	0.35x C-Mount, For 1/2"CCD, Focus Adjustable	○	○	A55.0931-35
	0.65x C-Mount, For 1/2"CCD, Focus Adjustable	○	○	A55.0931-65
	1.0x C-Mount, For 1"CCD, Focus Adjustable	○	○	A55.0931-10
Eyepiece	High Eyepoint Plan PL10x/22mm	●●	●●	A51.0903-1022
	High Eyepoint Plan PL10x/22mm With Reticle	○	○	A51.0905-1022R
	High Eyepoint Plan PL10x/22mm, Diopter Adjustable	○	○	A51.0904-1022T
	High Eyepoint Plan PL10x/22mm, Diopter Adjustable, With Reticle			A51.0905-1022RT
	High Eyepoint Plan PL10x/23mm, Diopter Adjustable	○	○	A51.0904-1023T

	High Eyepoint Plan PL15x/16mmPL15x16	○	○	A51.0903-1516
Objective	LWD Infinity Plan Metallurgical BF/DF DIC Objective			
	5X-DIC LMPL5X/0.15 W.D.9mm	●	●	A5M.0939-5
	10X-DIC LMPL10X/0.3 W.D.9mm	●	●	A5M.0939-10
	20X-DIC LMPL20X/0.50 W.D.3.4mm	●	●	A5M.0939-20
	LWD Infinity Plan Metallurgical BF/DF Semi-APO Objective			
	50X LMPLFL50X/0.55 W.D.7.5mm	●	●	A5M.0940-50
	LMPL100x/0.8 WD2.1mm	○	○	A5M.0940-100
Nosepiece	Backward, Quintuple For Bright/Dark Field, With DIC Slot	●	●	A54.0930-MX5BD
DIC	DIC Interfere Set	○	○	A5M.0950
Working Stage	6" Three Layer Mechanical Stage, For Transmit & Reflect Light Size 445*240mm, Moving Range For Reflect Light 158*158mm, For Transmit Light 100*100mm, Low Position X/Y Moving Handle, With Glass Plate, With Clutch Handle To Move Quickly In Full Range	●	●	A54.0944-M6RT
	Adapter for 4" Plate, for Reflect Light	○	○	A54.0944-M4A
	Adapter for 4" Plate, for Transmit & Reflect Light	○	○	A54.0944-M4ART
	4" Double Layer Mechanical Stage, For Reflect Light, Low Position Handle, Size 230x215mm, Moving Range For Reflec Light 105*105mm, With Metal Plate, Right Hand Use	○	○	A54.0944-M4
	4" Double Layer Mechanical Stage, For Reflect Light, Low Position Handle, Size 230x215mm, Moving Range For Reflec Light 105*105mm, With Metal Plate, Left Hand Use	○	○	A54.0944-M4N
	4" Double Layer Mechanical Stage, For Transmit & Reflect Light, Low Position Handle, Size 230x215mm, Moving Range For Reflec Light 105*105mm, With Glass Plate	○	○	A54.0944-M4RT
	Rotatable Working Stage 6", For Wafer 4", 5", 6"	○	○	A54.0944-W6
Main Body & Focusing	Reflected Frame: Coaxial Coarse And Fine Adjustment, Coarse Range 33mm, Fine Precision 0.001mm, With Pp-limited Device And Tension Adjustment. Built-in 90-240V Wide Voltage Transformer.	●		
	Transmitted & Reflected Frame: Coaxial Coarse And Fine Adjustment, Coarse Range 33mm, Fine Precision 0.001mm, With Up-limited Device And Tension Adjustment. Built-in 90-240V Wide Voltage Transformer, Transmitted Lamp-house With Single 5W LED. With NA 0.5 Condenser.		●	
Reflect Light	BF/DF Reflect Illumination, With Iris Field Diaphragm and Aperture Diaphragm, Both Central Adjustable, With Filter Slot and Polarizing Slot, With Bright Field/Dark Field Switch, With Bright Intensity Setting And Reset Function On Stand	●	●	A56.0915
	12V100W Halogen Light Box, Pre Centered	●	●	A56.0909-LH
	12V100W Halogen Bulb (Philps 7724)	●	●	A56.0923-12100
	Interference Filter, For Reflect Light, Natural White	●	●	A5M.0953-LBD
	Interference Filter, For Reflect Light, Blue, <480nm	○	○	A5M.0953-B
	Interference Filter, For Reflect Light, Green, 520~570nm	○	○	A5M.0953-G
	Interference Filter, For Reflect Light, Red, 630~750nm	○	○	A5M.0953-R
Transmit Light	Transmit Illumination, Single High Power 5W LED, Brightness Adjustable, N.A.0.5 Condenser, With Iris Diaphragm		●	
Polarizing For Reflect	Fixed Polarizer Flashboard	●	●	A5P.0924-RP
	360° Rotatable Analyzer Flashboard	●	●	A5P.0924-RA360

Light	Fixed Analyzer Flashboard	○	A5P.0924-RA
Power	90-240V Wide Voltage, One Way Power Output	●	
	90-240V Wide Voltage, Double Way Power Output	●	
Other	Allen Key M3	●	
	Allen Key M4	●	
	Specimen Presser	○	A5M.0920
New Developed Optional Accessories 2020			
Head	Trinocular Head, 30° Inclined, Inverted Image, Interpupillary Distance 50~76mm, Light Split Ratio 0:100; 20:80; 100:0, Support Super Large Wide Field Eyepiece 25mm/26.5mm	○	A53.0913-T30
	Trinocular Head, 30° Inclined, Erect Image, Interpupillary Distance 50~76mm, Light Split Ratio 0:100, 100:0, Support Super Large Wide Field Eyepiece 25mm/26.5mm	○	A53.0913-T30E
Eyepiece	High Eyepoint Plan PL10x/25mm, Diopter Adjustable	○	A51.0904-1025T
	High Eyepoint Plan PL10x/26.5mm, Diopter Adjustable	○	A51.0904-10265T
	High Eyepoint Plan PL10x/25mm, Diopter Adjustable, With Reticle	○	A51.0905-1025T
	High Eyepoint Plan PL10x/26.5mm, Diopter Adjustable, With Reticle	○	A51.0905-10265T
CCD Adapter	0.5x C-Mount, For 1/2"CCD, Focus Adjustable	○	A55.0930-05
	0.35x C-Mount, For 1/2"CCD, Focus Adjustable	○	A55.0930-35
	0.65x C-Mount, For 1/2"CCD, Focus Adjustable	○	A55.0930-65
	1.0x C-Mount, For 1"CCD, Focus Adjustable	○	A55.0930-10
Objective	LWD Infinity Plan Metallurgical BF/DF DIC Semi-APO Objective		
	5X/0.15, WD=13.5mm	○	A5M.0941-5
	10X/0.30, WD=9mm	○	A5M.0941-10
	20X/0.50, WD=2.5mm	○	A5M.0941-20
	20X/0.40, WD=8.5mm	○	A5M.0941-20A
	50X/0.80, WD=1.0mm	○	A5M.0941-50
	100X/0.90, WD=1.0mm	○	A5M.0941-100
	Semi-APO Objective With Correcting Ring 50X/0.70, WD=2.3~2.9mm	○	A5M.0945-50
DIC	DIC Interfere Set, For BF/DF Semi-APO Objective Objective	○	A5M.0952
	DIC Interfere Set, For BF/DF Semi-APO Objective Objective, Olympus Level	○	A5M.0952-O
Remark: '●' Means Standard Outfit, '○' Means Optional			



Opto-Edu (Beijing) Co., Ltd.



0086 13911110627



sale@optoedu.com



cnoec.com

F-1501 Wanda Plaza, No. 18 Shijingshan Road, Beijing 100043, China