



50X - 400X Research Metallurgical Optical Microscope Bright Field Microscopes A13.0211

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A13.0211
- 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

- Application: Research|Learning|Metallurgical
- Certification: CE|Rohs
- Drawtube: Binocular
- Illumination: Halogen Lamp|LED
- Magnification: 50X - 400X
- Theory: Metallurgical Optical Microscope
- Highlight: **reflected light microscope, halogen lamp microscope**

Product Description

50X - 400X Cordless Metallurgical Optical Microscope A13.0211

Description:

New in 2009!

A13.0211 upright Bright/Dark field Transmitted/Reflected light metallurgical microscope, is a kind of multifunction industry inspecting microscope. It is equipped with bright or dark field objectives, wide field eyepieces and integrated polarization observation device, the Kohler illuminator is used in the transmitted and reflected illuminating system, the whole field is clear and uniformity. It is suitable for inspecting, such as semi-conductor silicon wafer, LCD floor plate, electrociucuit plate, solid powder and all kind of industry sample that translucent or opaque. It is the ideal instruments in research work in biology, metallography, mineralogy, precision engineering, electronics, ets.

- UIS optical system and modularization function design
- Long working distance bright or dark field plan objectives (no cover glass), the fild is wide and clear
- Coaxial coarse/fine focus system, with tension adjustable and up stop, minimum division of the focusing: 2um
- Maximal movement of stage is about 30mm
- Integrated polarization observation device, the polarizer can be circled 360 degree
- The reflecting illuminator is 12V50W halogen lamp and the lamp box cover can be revolved, replacing lamp facility and safety.
- The transmitted illuminator is 12V30W halogen lamp and adding radiator
- Trinocular head can be observation for eyepieces and microphotography in 100% light flux, suits for the dark field microphotography.



Trinocular, Inclination 30° & WF10x/22mm Eyepiece

Trinocular Head

Eliminated by adjusting the interpupillary distance so that the distance of the eyepiece tube is identical with interpupillary distance. When observe through two eyepieces, alter the exit pupil center distance of the eyepiece tubes by turning the left or right frame body



Quintuple Nosepiece, Ball Bearing Inner Locating

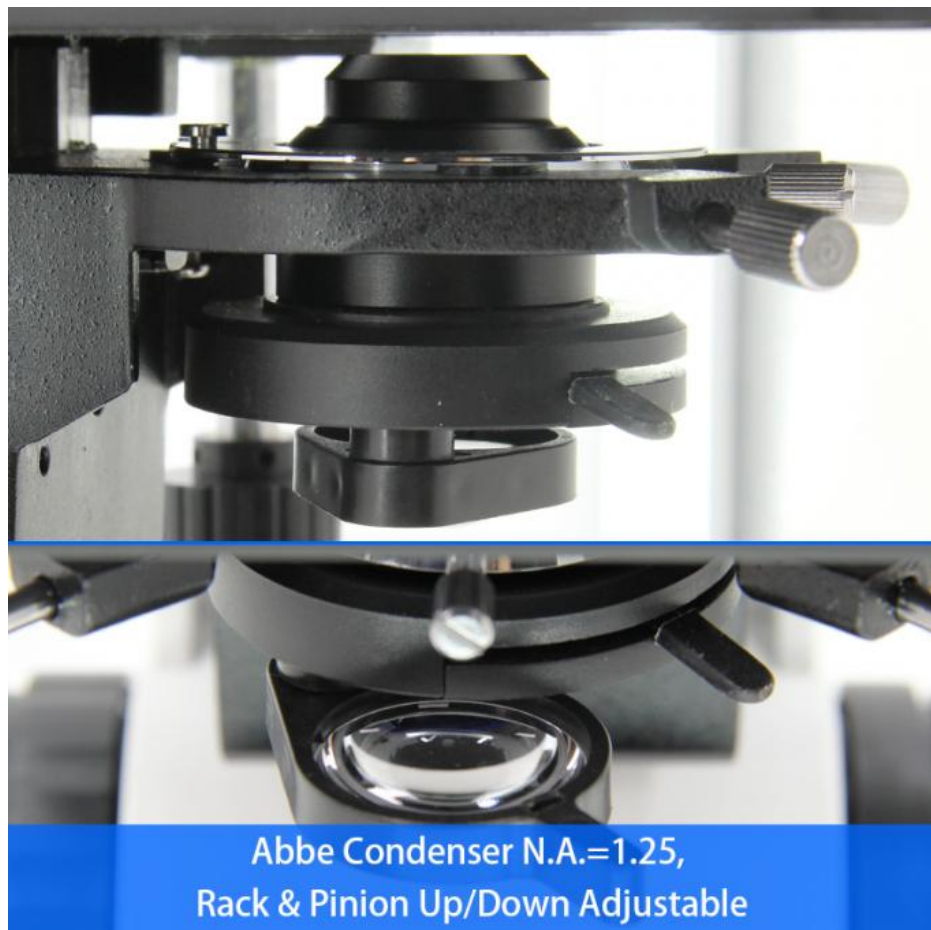
Quintuple **Nosepiece**, Ball Bearing Inner Locating
LWD Infinity Bright Field Plan **Objective** (No Cover Glass)



Double Layer Mechanical Stage, Size 210x140mm

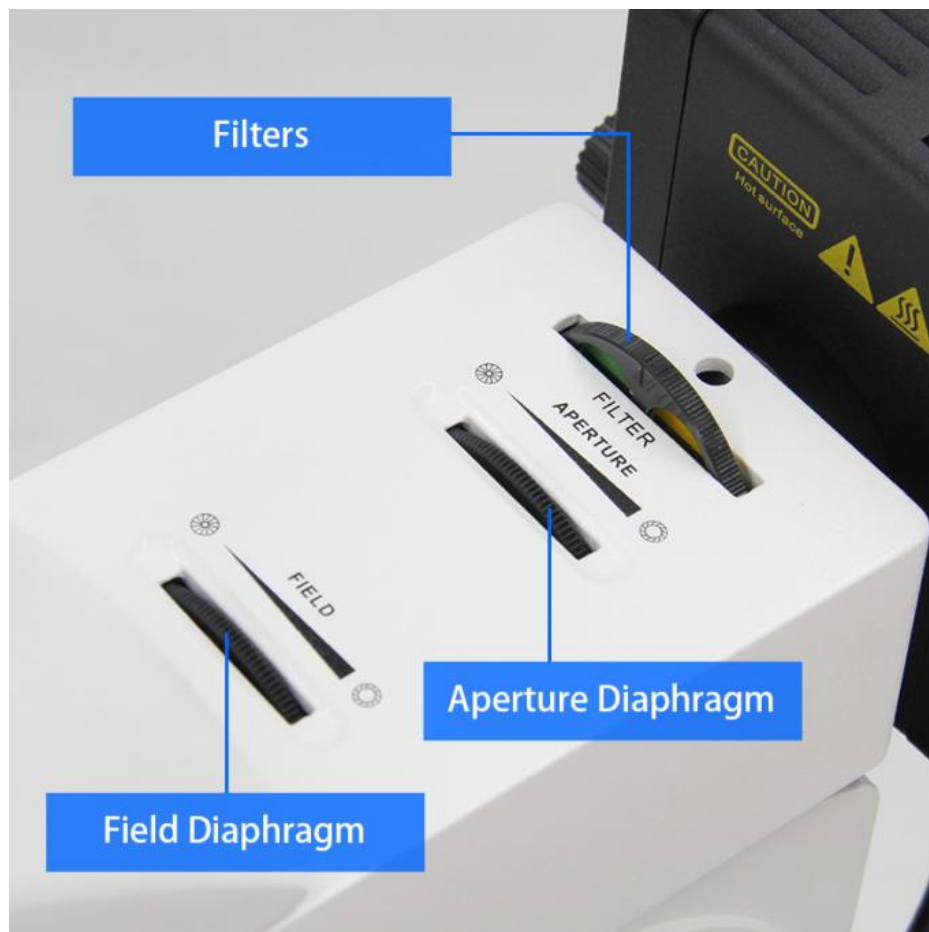
Working Stage

Double Layer Mechanical Stage, Size 210x140mm, Moving Range 63x50mm



Abbe Condenser
N.A.=1.25, Rack & Pinion Up/Down Adjustable





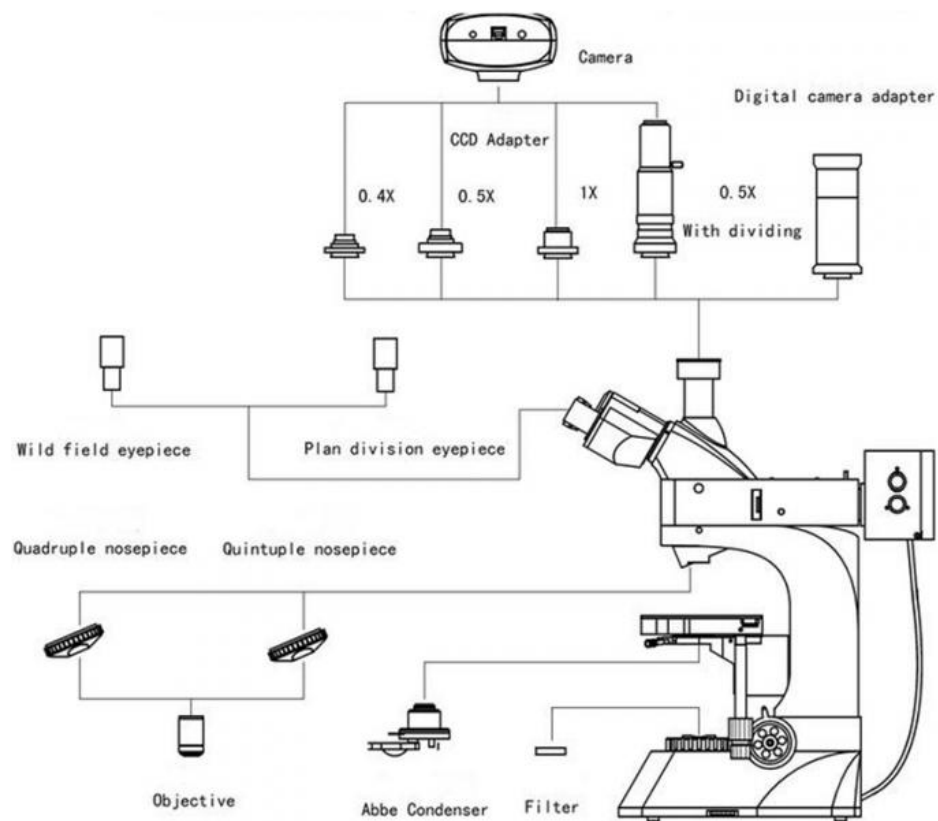
Bright Field And Dark Field Switch

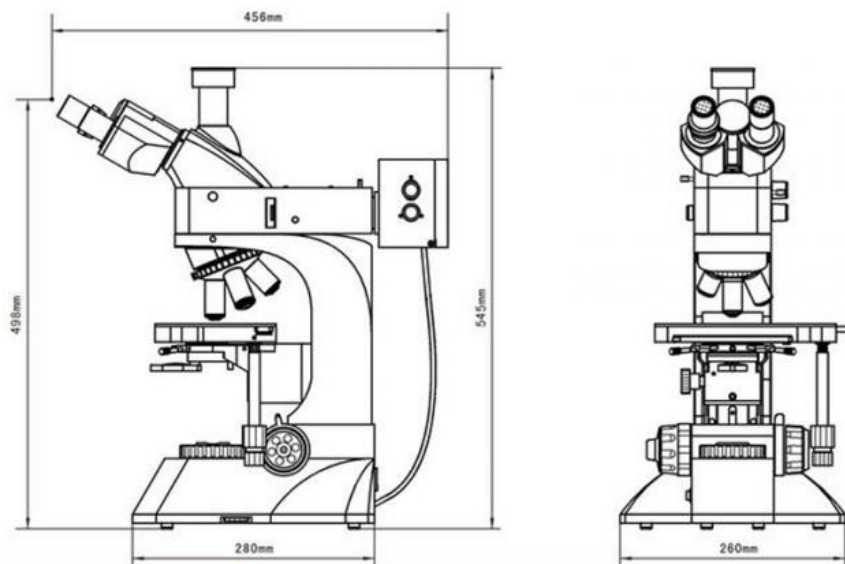


LWD Infinity Bright/Dark Field Plan Objective



A13.0211 Upright Metallurgical Microscope,
Transmit & Reflect, BF/DF, DIC, Polarizing





5x/10x/20x
DIC Push-Pull
Group Slide



A13.0211 Upright Metallurgical Microscope, Transmit & Reflect, BD, DIC, Polarizing		A13.0211	-BD	-DIC	-BDDIC	Cata. No.
Head	Trinocular, Inclination 30°, Rotatable 360°, Interpupillary 53~75mm, Left Side Eyepiece Tube Diopter Adjustable ±5°, Switch E100:P0/E0:P100	.	.	.	.
Eyepiece	WF10x/22mm,	..	..	..	..	A51.0202-1022
	Divding WF10x/22mm, 0.1mm/Div	o	o	o	o	A51.0205-G10B
Nosepiece	Quintuple, Ball Bearing Inner Locating	.	.	.	.
LWD Infinity Bright Field Plan Objective (No Cover Glass)	PLL2.5x/0.07mm, W.D.13mm	o				A5M.0235-2.5
	PLL5x/0.12mm, W.D.26.1mm	.				A5M.0235-5
	PLL10x/0.25mm, W.D.20.2mm	.				A5M.0235-10A
	PLL20x/0.40mm, W.D.8.8mm	o				A5M.0235-20
	PLL40x/0.60mm, W.D.3.98mm, Spring	.		.	.	A5M.0235-40
	PLL50x/0.70mm, W.D.3.68mm, Spring	o				A5M.0235-50
	PLL60x/0.70mm, W.D.3.18mm, Spring	.				A5M.0235-60A
	PLL80x/0.80mm, W.D.1.25mm, Spring	o				A5M.0235-80
	PLL100x/0.85mm, W.D.0.4mm, Spring	o				A5M.0235-100
LWD Infinity Bright/Dark Field Plan Objective (No Cover Glass)	BD PLL5x/0.12mm, W.D.9.7mm		.			A5M.0237-5
	BD PLL10x/0.25mm, W.D.9.3mm		.			A5M.0237-10
	BD PLL20x/0.40mm, W.D.7.2mm		.			A5M.0237-20
	BD PLL40x/0.60mm, W.D.3.0mm, Spring		.			A5M.0237-40
	BD PLL50x/0.70mm, W.D.2.5mm, Spring		o			A5M.0237-50
	BD PLL60x/0.75mm, W.D.1.9mm, Spring		o			A5M.0237-60
	BD PLL80x/0.80mm, W.D.0.8mm, Spring		o			A5M.0237-80
	BD PLL100x/0.85mm, W.D.0.22mm, Spring		o			A5M.0237-100A
	BD PLL100x/0.85mm, W.D.0.40mm, Spring		o			A5M.0237-100A
LWD Infinity DIC Plan Objective (No Cover Glass)	LMPlan 5x/0.12mm, W.D.15.0mm			.		A5M.0238-5D
	LMPlan 10x/0.3mm, W.D.10.5mm			.		A5M.0238-10B
	LMPlan 20x/0.40mm, W.D.4.5mm			.		A5M.0238-20A
LWD Infinity DIC Bright/Dark Field Plan Objective	BD LMPlan 5x/0.12mm, W.D.7.9mm				.	A5M.0239-5A
	BD LMPlan 10x/0.25mm, W.D.9.3mm				.	A5M.0239-10A
	BD LMPlan 20x/0.40mm, W.D.1.4mm				.	A5M.0239-20A
DIC Observation	5x/10x/20x DIC Push-Pull Group Slide			.	.	
Working Stage	Double Layer Mechanical Stage, Size 210x140mm, Moving Range 63x50mm	.	.	.	.
Focusing	Coaxial Coarse & Ffine Focus System, With Tensional Adjustable And Up Stop, Fine Focusing Minimum Division 2um	.	.	.	.
	6V30W Halogen Lamp, Brightness Adjustable	.				
	12V30W Halogen Lamp, Brightness Adjustable		.	.	.	

Transmit Illumination	Abbe Condenser N.A.=1.25, Rack & Pinion Up/Down Adjustable	•	•	•	•	
	Blue Filter And Ground Glass	•	•	•	•	
	Collector For Illumination With Halogen Lamp (With Filed Diaphragm)	•	•	•	•	
Reflect Illumination	6V30W Halogen Lamp, Brightness Adjustable	•				
	12V50W Halogen Lamp, Brightness Adjustable		•	•	•	
	Epi Illumination Intergrate Field Diaphragm, Aperture Diaphragm, Filter Switching Device For Yellow, Blue, Green Filter & Ground Glass	•	•	•	•	
Polarizing	Push-Pull Type Polarizer	•	•	•	•	
	Built-in Analyzer And Switching Freely	•	•	•	•	
Adapter	0.4x C-Mount	○	○	○	○	A55.0202-1
	1.0x C-Mount	○	○	○	○	A55.0202-2
	0.5x C-Mount With Dividing 0.1mm/Div	○	○	○	○	A55.0202-3
	0.5x C-Mount	○	○	○	○	A55.0202-4
	Digital SLR Camera Adapter for Canon EF	○	○	○	○	A55.0204-1

Remark: • Means Standard Outfit, ○ Means Optional



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