

## Infinity Optic System Metallurgical Microscope with DIC and LED Illumination



Reflected light differential interface contrast microscope is a high capability price rate inspecting optical instrument.

It adopts excellent infinity optics system, built-in high brightness LED illumination, it is provided with differential interface contrast observation function.

Trinocular/photography optical body, reflects the true reduction of visual observe, digital photography and microscopy technology integration, the observed interface image has a stronger sense of 3D.

This unit is suitable for the microscopic morphology observation of non-transparent material surface, such as microscopic morphology of LCD conductive particles, it is the ideal instruments in quality inspection, structural analysis of precision manufacturing.

### Technical Specifications of iMet-230DIC-LED:

Magnification	Total 100X (standard configure)				
Eyeiece	Wide-field plan eyepiece	WF 10X	FOV $\Phi$ 22mm	Eyeiece interface $\Phi$ 30mm	Parfocal distance
Trinocular	Observation angle of 30° with photography port, spectro rate 8:2 (eyepiece: photography)				
Strain-free plan achromatic objective	Magnification	Numerical aperture	Working Distance (mm)	Thickness of cover glass (mm)	Remarks
	10X	0.25	20.2	-	
Analyzer	Insert type, can be switch freely, the direction of polarization has preset, no use for adjust				
Polarizer	Insert type, can be switch freely, 360°rotatable				
DIC Slider	DIC slider matching 5X/10X/20X objective, horizontal adjustable				
X-Y Stage	double layer mechanism stage, size: 180 X 145mm, moving range: 35X 30 mm (X-Y)				
Vertical availability	Focus system available distance 133mm, observational specimen maximal thickness up to 130mm.				
focus system	Coaxial coarse/fine focus system, minimum division of fine focusing: 2 $\mu$ m				
Illumination	Coaxial illumination using high brightness white LED. Brightness adjustable				
Main power supply	AC:85V~265V 50/60Hz, fuse specification: 250V 3.0A				
Accessory (optional)	Objective	20X strain-free plan achromatic objective, NA: 0.40, working distance: 8.0mm			
	Digital camera	130, 300, 500, 1000mega pixels, with image analysis software.			