

MDIC-100



The MDIC-100 reflected light differential interference 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 interference contrast observational function. Trinocular/ photography Optical body. Reflects the true reduction of visual observe, digital photography and microscopy technology integration, the observed interference 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.



Observation system

The trinocular can easily change in the observation and photography, Inclination of 30°, adapt for 5X, 10X, 20X plan achromatic objective, photography output suit for 0.5X, 1X CCD adapter.

Stage:

Dimension of base: 300mmX250mm

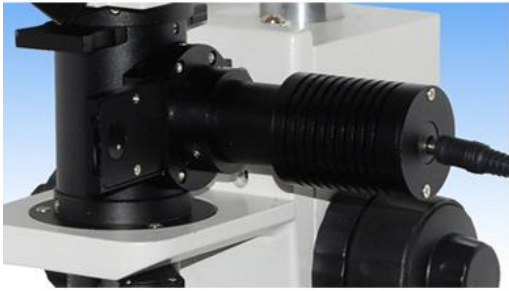
Mechanical stage overall size:160mmX140mm

moving range: Transersal 35mm,

Longitudinal 30mm.

the knob control the stage movement on top of the stage, so that the operation is convenience.





Epi-illumination system

Coaxial illumination using high brightness white LED. Brightness adjustable.

Outside power supply unit: 85V~265V 50/60Hz. equipped with integrated polarizer and rotatable for 360° .

DIC observation

Equip high quality 10X DIC objectives and DIC observation system, in order to show the clear, profile salient and 3D embossed image.



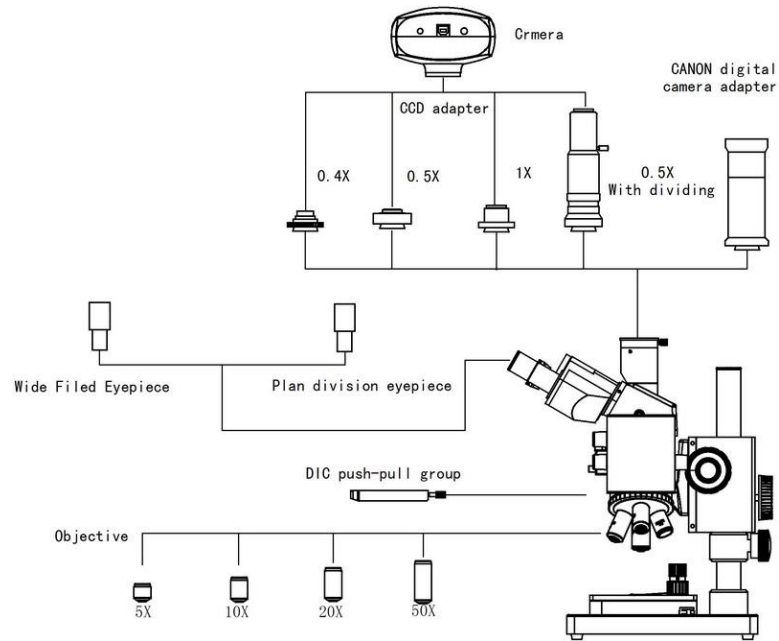
5X (option) 10X 20X (option)

Specification

Main parameters	Total magnification		100X (standard configure)		
	Mechanical tube length		∞		
	Conjugate distance of objective		∞		
Eyepiece	achromatic Wide-field plan eyepiece	SWF 10X	field of view number Φ22mm	Eyepiece interface Φ30mm	Parfocal distance 10mm
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 distance	Focus system available distance 133mm, observational specimen maximal thickness up to 130mm.				
focus system	Coaxial coarse/fine focus system, minimum division of fine focusing: 2μm				
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.

Diagram



Dimensions

