

ICM-100/ICM-100BD



- **ICM-100/100BD** Industry checking and measure microscopes are suitable to observe surfaces structure and geometry of workpiece. It is equipped excellent UIS optical system and modularization function design so that update system expediently and achieved polarization, darkfield observation. Lift or down the optical and illumination unit along the leader to adjust the distance from stage to objective, so that enables using for different thickness workpiece. Quickly and effectively locate the observation part of the workpiece by moving the mechanical stage. The motion of the focusing is the roll that the roller bearing moved guiding the trigon slideway so that the moving process is smooth. This is ideal optical instrument for checking and measure in the field of precision part, integrated circuit, packing material



Observe system:

The trinocular can easily change in the observation and photography Inclination of 30, you do not need to down head or horizontal observation in the long time, it can make the neck and shoulder of operator feel comfortable, base on the 100% pass of light of Trinocular, the microscope adapt to low illumination of photography.

The field of plan objective can achieve $\Phi 22$, which let you have more wide and comfortable of observation.
etc



Epi-illumination

Integrated field diaphragm, aperture diaphragm and (Y, B, G, ground glass) switching device. Push-pull analyzer and polarizer.

ICM-100: 6V30W halogen lamp , brightness adjustable.

ICM-100BD: 12V50W halogen lamp, brightness adjustable

Dark Field Observation (for ICM-100BD)

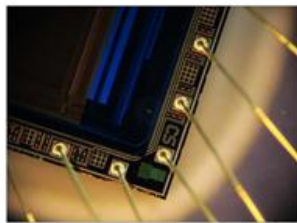
Equip high quality bright and dark field objectives and dark field illumination device. Avoid the stray light of illumination system and improve the image quality in the dark field.



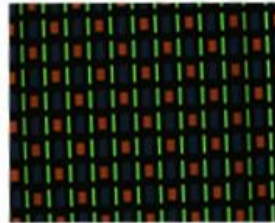
Photography Unit

By adding the appurtenance such as CCD adapter, digital camera adapter and single-reverse digital camera adapter and etc. It can achieve high clear observation mode of camera and vidicon

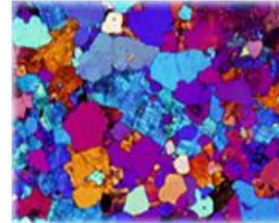
Digital camera photography:



Dark type observe



Bright type observe



Polarized observe

Specification

- **Standard Configuration**

Specification		
Eyepiece	Wide field WF10X(field number: Φ 22mm)	
Infinity plan achromatic objective	ICM-100 Equipped with bright field objectives	PL L5X/0.12 (Work distance) : 26.1 mm
		PL L10X/0.25 (Work distance) : 20.2 mm
		PL L20X/0.40 (Work distance) : 8.80 mm
		PL L50X/0.70 (Work distance) : 3.68 mm

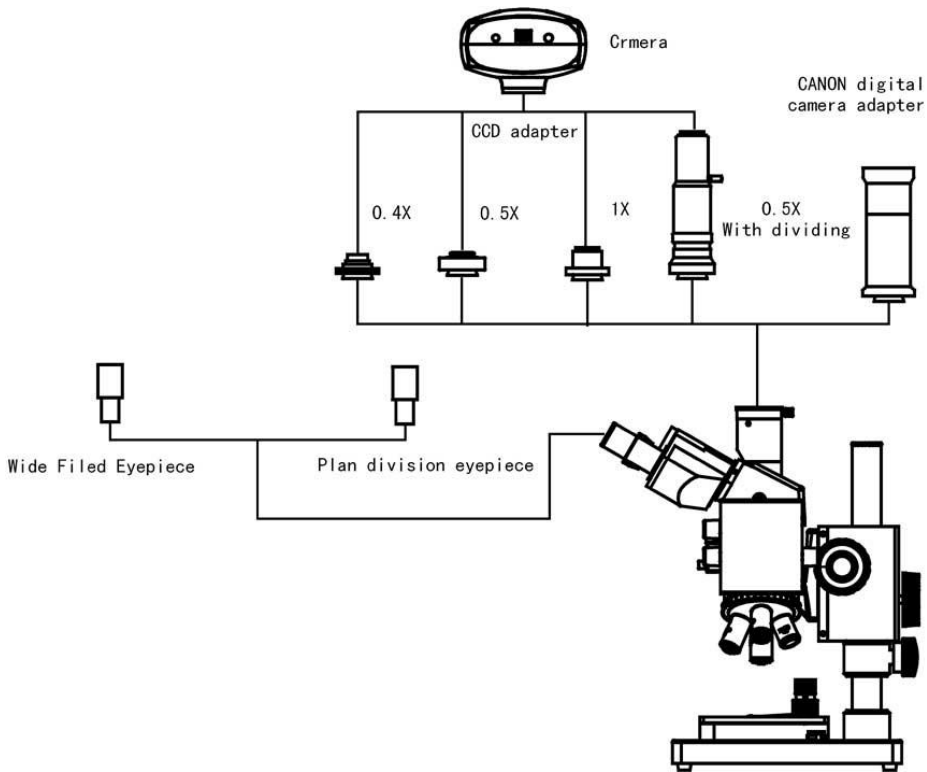
	ICM-100BD Equipped with bright & darkfield objectives	PL L5X/0.12 BD (Work distance) : 8.05 mm
		PL L10X/0.25 BD (Work distance) : 7.86mm
		PL L20X/0.40 BD (Work distance) : 7.23mm
		PL L50X/0.70 BD (Work distance) : 1.75mm
Eyepieces tube	Trinocular inclined 30°, can be shot in 100% light flux.	
Epi-illumination system	ICM-100	6V30W halogen and brightness enable control
	ICM-100BD	12V50W halogen and brightness enable control
	Integrated field diaphragm, aperture diaphragm and (Y,B,G, ground glass) switching device. Push-pull type analyzer and polarizer.	
Focus system	Coaxial coarse/fine focus system, with coarse focus knob tension adjustable device, minimum division of fine focusing: 2μm.	
Nosepiece	Quintuple (Backward ball bearing inner locating)	
Working stage	Base overall size : 300mmX240mm	
	Mechanical stage overall size : 185mmX140mm£-moving range : Transersal:35mm£-Longitudinal:30mm	

Optional accessories

Eyepiece	Wide field WF10X(field number:Φ22mm)	1122010	
Objective	ICM-100	PL L40X/0.60 (Work distance) : 3.98 mm	2260140
		PL L60X/0.70 (Work distance) : 2.08mm	2260160
		PL L80X/0.80 (Work distance) : 1.25 mm	2260180
		PL L100X/0.85 (Work distance) : 0.40 mm	2260111
	ICM-100BD	PL L40X/0.6 BD (Work distance) : 3 mm	2120140
		PL L60X/0.7 BD (Work distance) : 1.65 mm	2120160
		PL L80X/0.80 BD (Work distance) : 0.80mm	2120180
		PL L100X/0.85 BD (Work distance) : 0.4 mm	2120111
CCD adapter	0.4X	810001	

	0.5X	810004
	1X	810002
	0.5Xwith dividing 0.1mm/Div	810003
Camera	DV-130	
	DV-300	
	DV-500	
Digital camera adapter	CANON(EF), NIKON(F)	820001

Diagram



Dimensions

