

## XDY-2



- **XDY-2** Inverted fluorescent microscope is composed with Epi-fluorescent microscope and inverted microscope, equipped excellent UIS optical system and adopted long working distance plan achromatic objectives and wide field eyepieces. Compact and steady main frame body is embodiment for the shock resistance. The enable turning out or into condenser system is suited for observation in a high culture dish. The Epi-fluorescence microscope system is adopted modularization function design idea, so that adjust the fluorescence illuminating system and switching-over fluorescence filters safely and quickly. This is a sort of ideal optical instrument for micro observation in cell tissue and transmitted liquid tissue, even in dynamic observation in the culture dish tissue, can be applied in the fluorescence microscopy, such as biological pharmacy, medicine checking and measure, disease prevent and etc.



### Observation system

The gemel mode binocular is inclined 45 degree. The operator cervix and shoulder are released from tired in period of time keeping bow or head-up.

The eyepiece field of view number is  $\Phi 22\text{mm}$  and eyepatch can be added.

### Transmitted Glass Stage Plate

It is possible for process visualization in turning nosepiece. Overcome the deficiencies of the stage thermal deformation effectively.





No Rock and Gear Mechanical Stage

The mechanical stage driver is adopted coaxial high-strength steel wire. This is a ideal design for stable mobile. The automatic protection in the limited position is effective on the accuracy of stage.

There are three mode culture dish holder for selection.

Illumination System

Integrated illumination can make up the difference of halogens by adjusting the spacial position.

Fully taken into account the cooling effect of illumination system so that the surface temperature of lamp house is lower,the operation is safer.

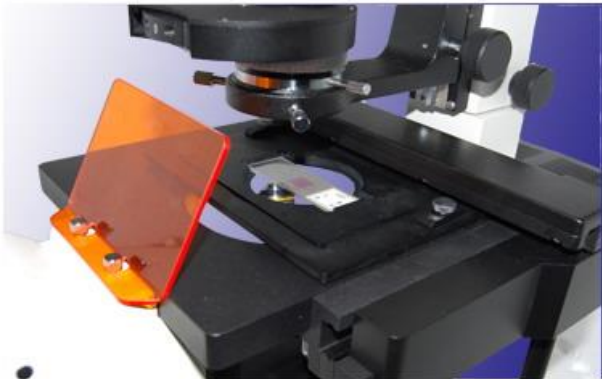


The enable turning out or into condenser system is suited for tissue observation in a high culture dish.

**Reflected fluorescence Illumination System**

Pushed fluorescence filter provides four fluorescence filter system shuc as UV, V, B and G. This kind of frame can make it switch fleetly between each fluorescence system.100W mercury lamp can provide ample illumination for fluorescence observation.

Equip power supply unit.



	Type	Wave band	Emission wave length	
Epi-fluorescent illumination	(UV)	320-380nm	435nm	standard
	(V)	380-415nm	475nm	standard
	(B)	450-490nm	515nm	standard
	(G)	495-555nm	595nm	standard



Specification

- Standard Configuration

Specification	
Eyepiece	Wide field WF10X(field number:μ22mm)

	Centering telescope			
Infinity plan achromatic objective	Objective	PLL 10X0.25 Work distance:4.3 mm,Cover glass thickness:1.2mm.		
		PLL 20X0.40 Work distance:8.0 mm,Cover glass thickness:1.2mm.		
		PLL 40X0.60 Work distance:3.5 mm,Cover glass thickness:1.2mm.		
	Phase Contrast Objective	PLL 10X0.25 PHP2 Work distance:4.3 mm,Cover glass thickness:1.2mm.		
		PLL 20X0.40 PHP2 Work distance:8.0 mm,Cover glass thickness:1.2mm.		
		PLL 40X0.60 PHP2 Work distance:3.5 mm,Cover glass thickness:1.2mm.		
Eyepieces tube	Inclination angle is 45° and interpupillary distance is 53~75mm.			
Epi- fluorescent illumination system	Power supply unit, 110V or 230V can be selected.			
	100W/DC Mercury lamp is 100W/DC			
	Fluorescent filters			
	Group	Type	Wavelength of excitation light	Wavelength of emitted light
	UV+V	Ultraviolet light (UV)	320nm~380nm	435nm
		Violet light (V)	380nm~415nm	475nm
	B+G	Blue light (B)	450nm~490nm	515nm
		Green light (G)	495nm~555nm	595nm
Focus system	Coaxial coarse/fine focus, with tension adjustable and up stop, minimum division of fine focusing is 2μm.			
Nosepiece	Quintuple nosepiece			
Stage	Fixed stage overall size is 227mmX208mm			
	Glass rotundity stage overall size is Φ118mm			
	Mechanical moving device, moving range is 77mm (longitudinal)X114mm (transverse)			
	Culture dish holder 1	Inside locating slot size: 86mm (W)X129.5mm (L), optional with a circular culture dish Φ87.5mm		
	Culture dish holder 2	Inside locating slot size: 34mm (W)X77.5mm (L), optional with a circular culture dish Φ68.5mm		
	Culture dish holder 3	Inside locating slot size:57mm (W)X82mm (L)		

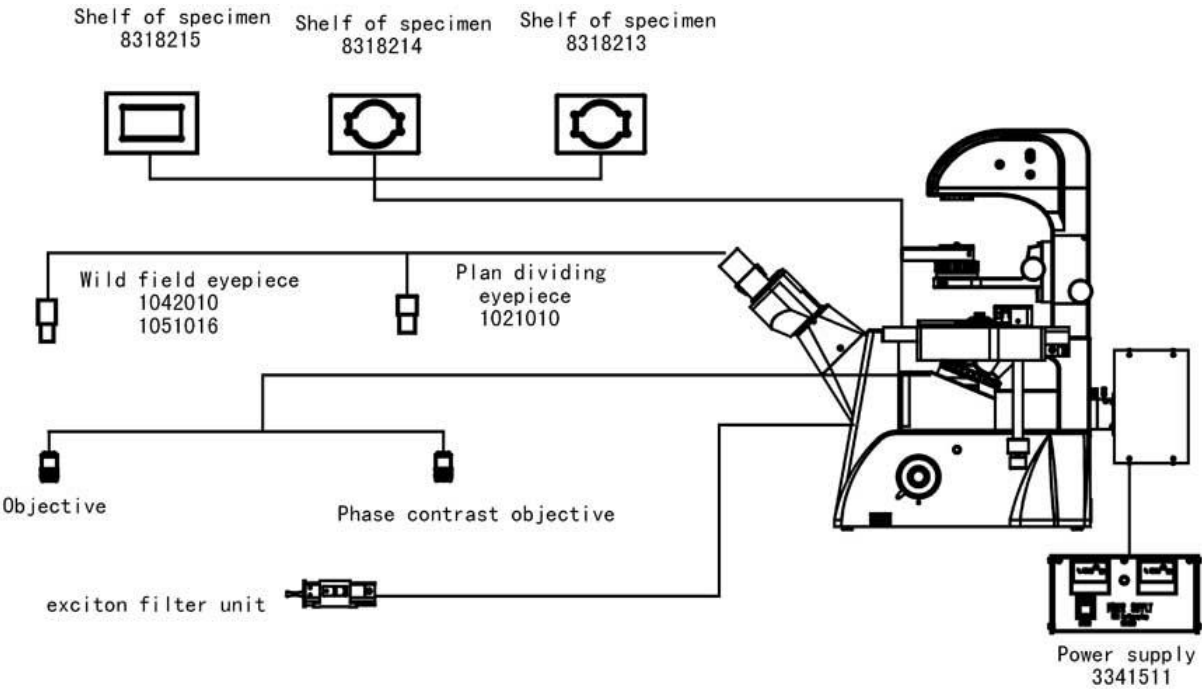
Transmitted illumination system	Turnplate phase contrast condenser, working distance is 55mm
	6V30W halogen, brightness enable control
	Frosted glass and blue , green filter

• **Optional accessories**

Eyepiece	10XDividing eyepiece(field number:μ22mm) 0.10mm/Div	1122010
Objective	Infinity plan achromatic objective PL 5X/0.12 W.D26.1	2060105
Nosepiece	Sextupe (Backward ball bearing inner locating)	033001
CCD adapter	0.4X	810001
	0.5X	810004
	1X	810002
	0.5Xwith dividing 0.1mm/Div	810003
Camera	DV-1 (with USB and Video output)	
	DV-130 / 300 / 500 / 900 (with USB output)	
	DV-380 / 520 (with Video output)	
Digital camera adapter	CANON(EF), NIKON(F)	820001

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Diagram



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Dimensions

