

BDS400 Inverted Biological Microscope

- Same Objective for Both Bright Field & Phase Contrast Observation
- New research and new development
- Apply to observation and cultivation for cell tissue
- 4X/10X/20X/40X Objective for Both Bright Field & Phase Contrast



BDS400 Inverted Biological Microscope



- Long working distance condenser N.A. 0.30, Working distance: 72mm
- Working distance: 195mm (without condenser), available for extra high culture dish
- Large size stage, convenient for research. Size: 240mm (X) × 210 (Y) mm
- Mechanical stage available for 96 holes plate. Moving range: 128mm (X) × 80 (Y) mm



BDS400 Inverted Fluorescence Microscope(100W mercury lamp)



BDS400 Inverted Fluorescence Microscope(1/2/3-group LED lamp)



FL2LED LED Fluorescence Lamp

BDS400-FL4LED Inverted Fluorescence Microscope (4-group LED lamp))



Large diameter quintuple nosepiece can be installed more objectives, more convenient for using.

Light distribution (both): 100 : 0 (100% for eyepiece);

80 : 20 (80% for trinocular head and 20% for eyepiece)

Culture Dish Holder



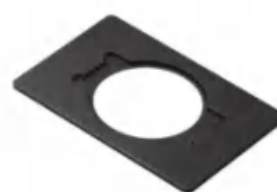
Φ65mm



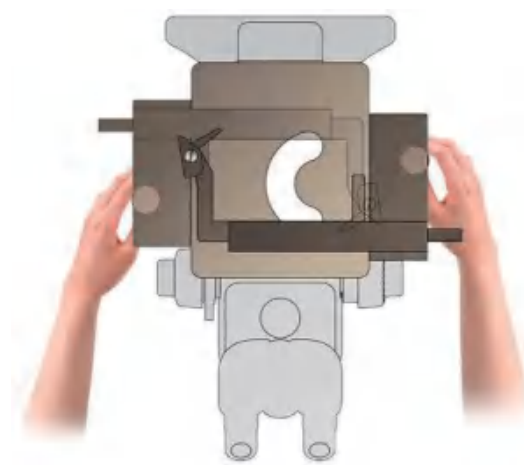
Φ54mm



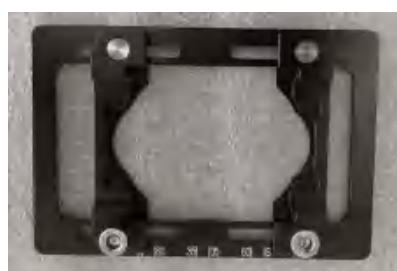
Φ35mm



blood cell counter



Knob can be changed by left or right



Universal Holder



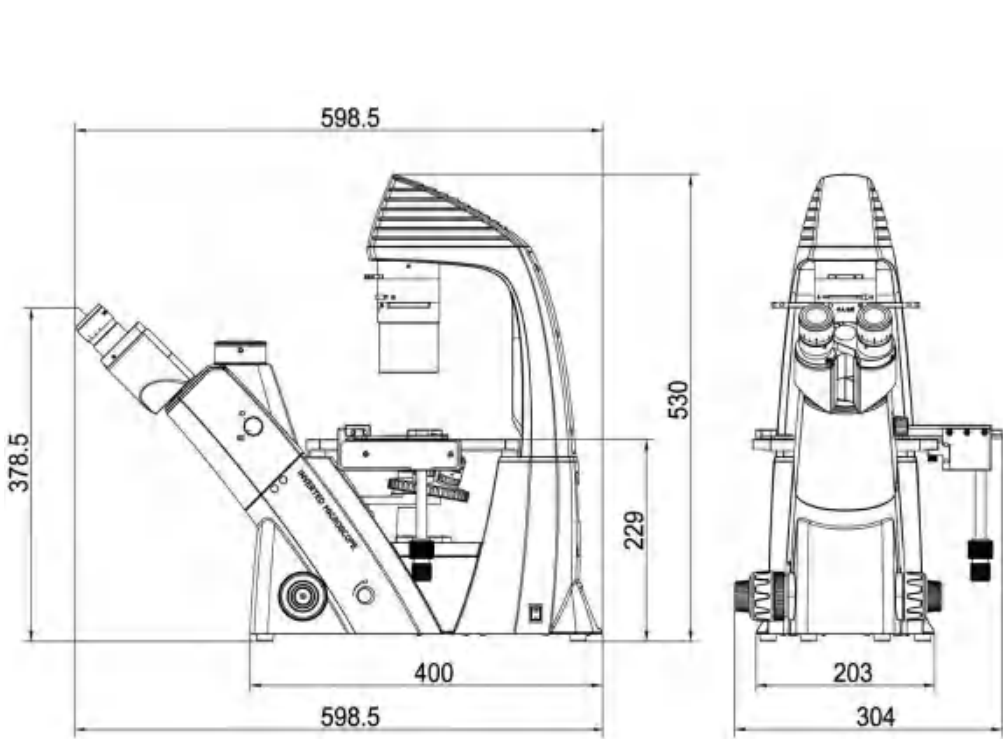
Glass Holder



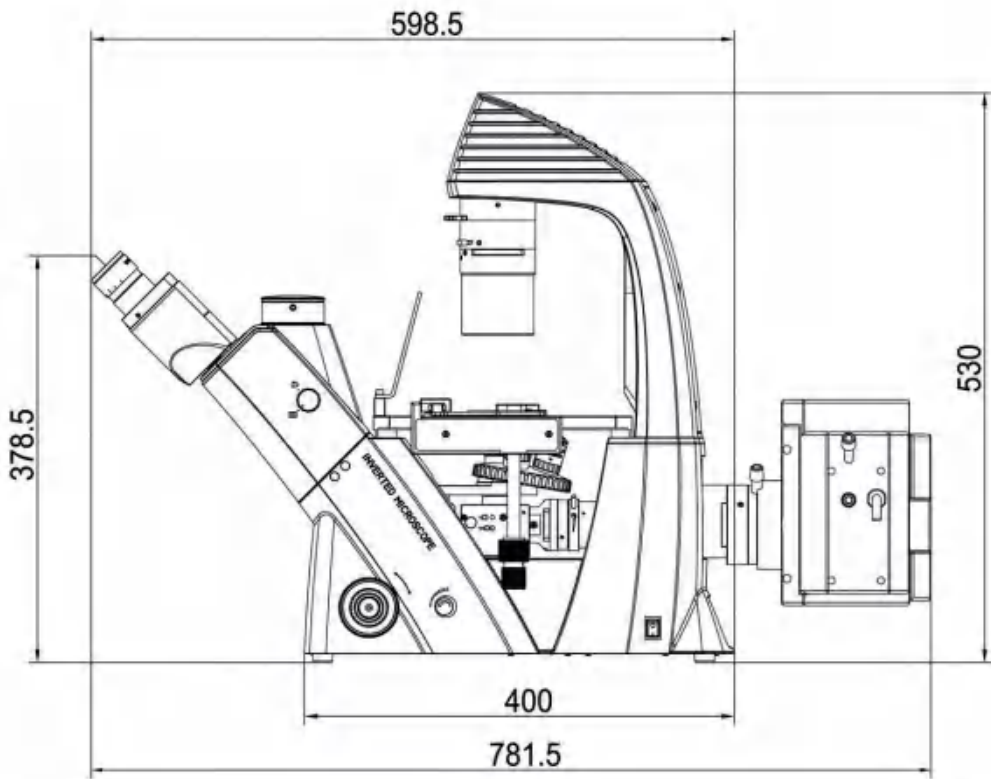
New 1/2/3-group LED Epi fluorescence Unit

Objective Parameter List (Cover-glass thickness1.1mm)

	Objectives	N.A.	Working distance(mm)
LWD Infinity Plan Objectives	Plan FL 2X	0.06	7.2
	L Plan FL 4X	0.11	12.1
	L Plan FL 10X	0.25	10.3
	L Plan FL 20X	0.45	5.8
	L Plan FL 40X	0.65	5.1
	L Plan FL 2X	0.06	7.2
LWD Infinity Plan Phase Contrast Objectives (Both for Bright Field & Phase Contrast)	L Plan FL PHP 4X (Both for Bright Field & Phase Contrast)	0.10	9.2
	L Plan FL PHP 10X (Both for Bright Field & Phase Contrast)	0.25	10.3
	L Plan FL PHP 20X (Both for Bright Field & Phase Contrast)	0.45	5.8
	L Plan FL PHP 40X (Both for Bright Field & Phase Contrast)	0.65	5.1
LWD Infinity Plan Fluor Objectives	L Plan Fluor 10x	0.30	14.0
	L Plan Fluor 20x	0.45	6.6
	L Plan Fluor 40x	0.65	3.9

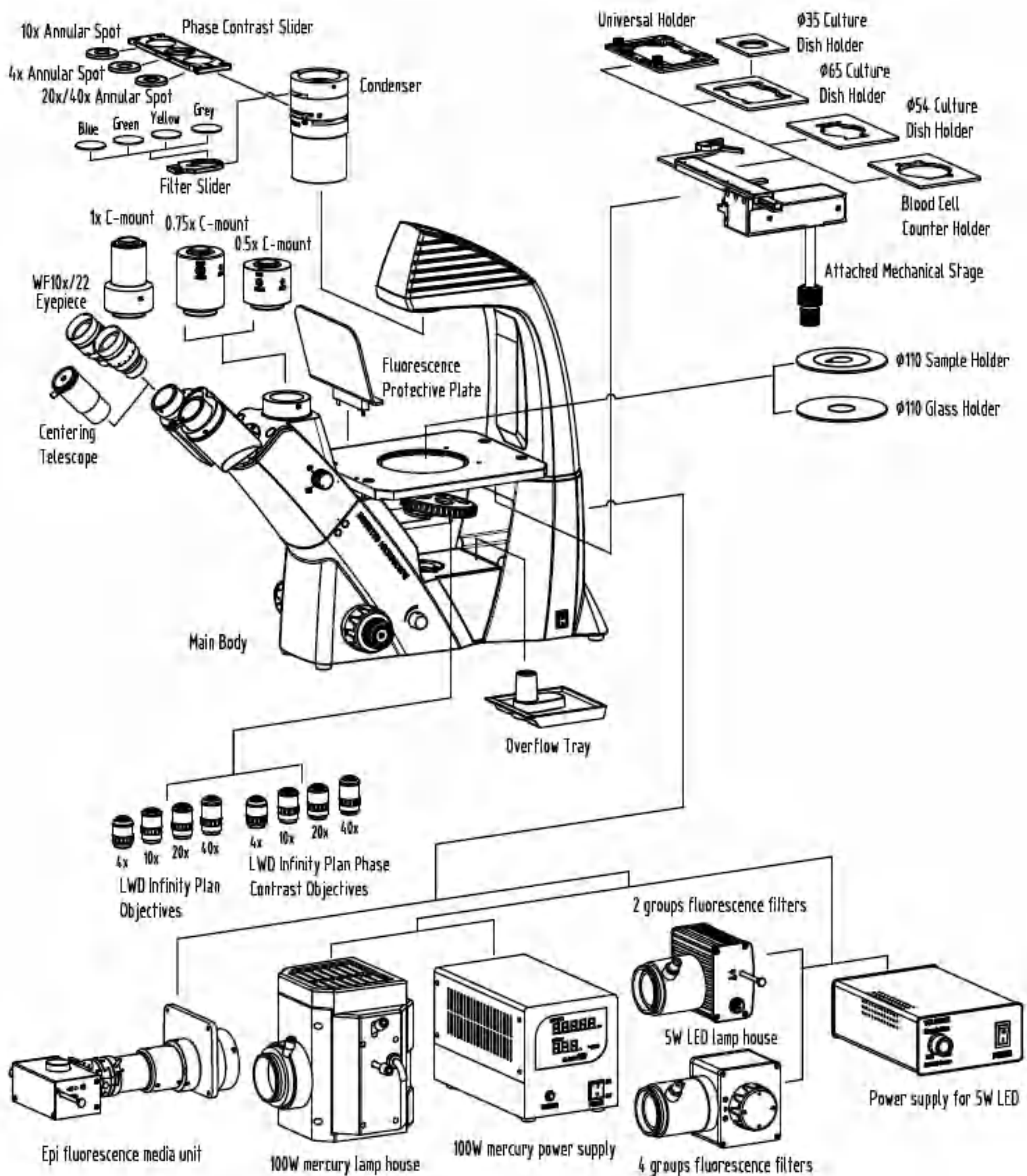


BDS400 Inverted Biological Microscope Size(mm)



BDS400 Inverted Fluorescence Microscope Size(mm)

BDS400 Inverted Biological Microscope General Layout Diagram



BDS400 Inverted Biological Microscope Outfits

Item	Specification		Outfits
Eyepiece	WF10×／22mm		●●
LWD Infinity Plan Objectives	Plan FL 2X／0.06	W.D.=7.2mm	○
	L Plan FL 4X／0.11	W.D.=12.1mm	○
	L Plan FL 10X／0.25	W.D.=10.3mm	○
	L Plan FL 20X／0.45	W.D.=5.8mm	○
	L Plan FL 40X／0.65	W.D.=5.1mm	○
LWD Infinity Plan Phase Contrast Objectives	L Plan FL PHP 4X／0.10 (Both for Bright Field & Phase Contrast)	W.D.=9.2mm	○
	L Plan FL PHP 10X／0.25 (Both for Bright Field & Phase Contrast)	W.D.=10.3mm	●
	L Plan FL PHP 20X／0.45 (Both for Bright Field & Phase Contrast)	W.D.=5.8mm	●
	L Plan FL PHP 40X／0.65 (Both for Bright Field & Phase Contrast)	W.D.=5.1mm	●
LWD Infinity Plan Fluor Objectives	L Plan Fluor 10x / 0.30	W.D.=14.0mm	○
	L Plan Fluor 20x / 0.45	W.D.=6.6mm	○
	L Plan Fluor 40x / 0.65	W.D.=3.9mm	○
Annular Spot	10×/20×/ 40×		●
	4×		○
Seidentopf Trinocular Head	Inclined 45°, interpupillary distance: 48-76mm Light distribution (both): 100: 0 （100% for eyepiece） 80:20 (80% for trinocular head, and 20% for eyepiece)		●
Seidentopf Trinocular Head	Inclined 45°, interpupillary distance: 48-76mm Light distribution (both): 100: 0 and 0:100 (100% for eyepiece or 100% for trinocular head)		○
Nosepiece	Quintuple		●
Mechanical Stage	Stage size: X×Y: 210×241mm, Round slide size: Φ110mm, Attached mechanical stage (available for 96 holes plate, moving range X×Y: 128×80mm.)		●
Culture Dish Holder	65mm+35mm		○
	54mm		●
	blood cell counter		○
	Glass Holder		○
	Universal Holder		○
Condenser	Long working distance, Quickly detachable , N.A.0.3, Working distance: 72mm (with condenser),195mm(without condenser).		●
Koehler Illumination	12V/30W （input voltage: 100V～240V）		●
	5WLED (input voltage: 100V～240V)		○
Filter(Φ34)	Blue		●
	Green		●
	Amber /Grey		○
C-mount	1 X /0.35X /0.5X /0.75X C-Mount (focus adjustable)		○
Epi Fluorescence Illumination	Epi fluorescence media unit , field diaphragm , center adjustable.		○
	100W mercury lamp ,5WLED(input voltage:100V～240V)		○
	B, G, V, UV fluorescence filters can be chosen		○

Note: "●"In Table Is Standard outfits, "○" Is Optional Accessories.

Packing Size: 660mm×590mm×325mm Gross Weight: 18 kgs Net Weight: 13.5 kgs