



AE-IM400 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

AE-IM400 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

AE-IM400 Inverted Fluorescence Microscope(100W mercury lamp)



AE-IM400 Inverted Fluorescence Microscope(1/2/3-group LED lamp)



AE-IM400-FL4LED Inverted Fluorescence Microscope (4-group LED lamp)

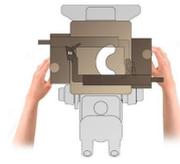


Large diameter quintuple nosepiece can be installed more objectives, more convenient for using.

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

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

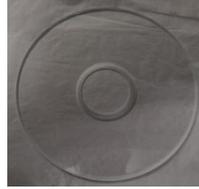
Culture Dish Holder



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 thickness 1.1mm)

	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
LWD Infinity Plan Phase Contrast Objectives	L Plan FL PHP 2X	0.06	7.2
	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
LWD Infinity Plan Fluor Objectives	L Plan FL PHP 40X (Both for Bright Field & Phase Contrast)	0.65	5.1
	L Plan Fluor 10x	0.30	14.0
	L Plan Fluor 20x	0.45	6.6
	L Plan Fluor 40x	0.65	3.9

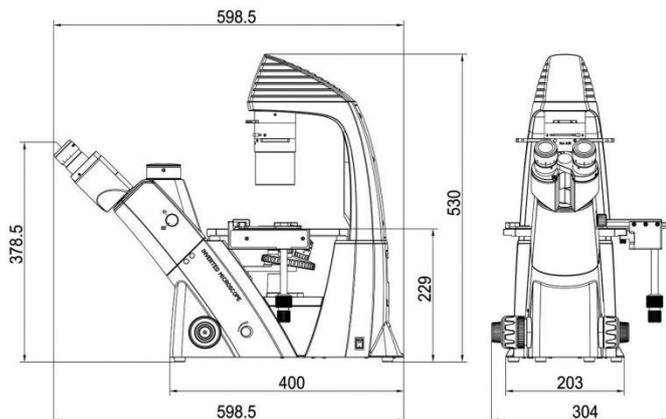


LWD Infinity Plan Objectives

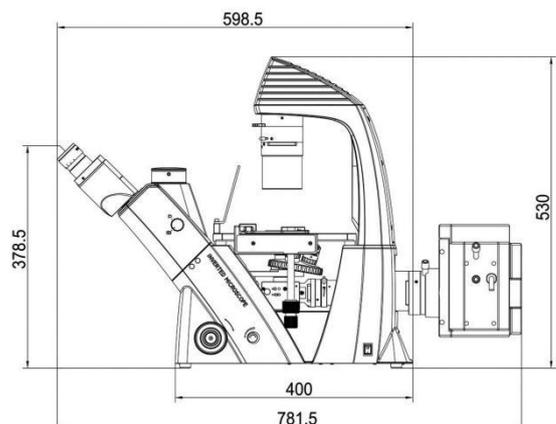


LWD Infinity Plan Phase Contrast Objectives

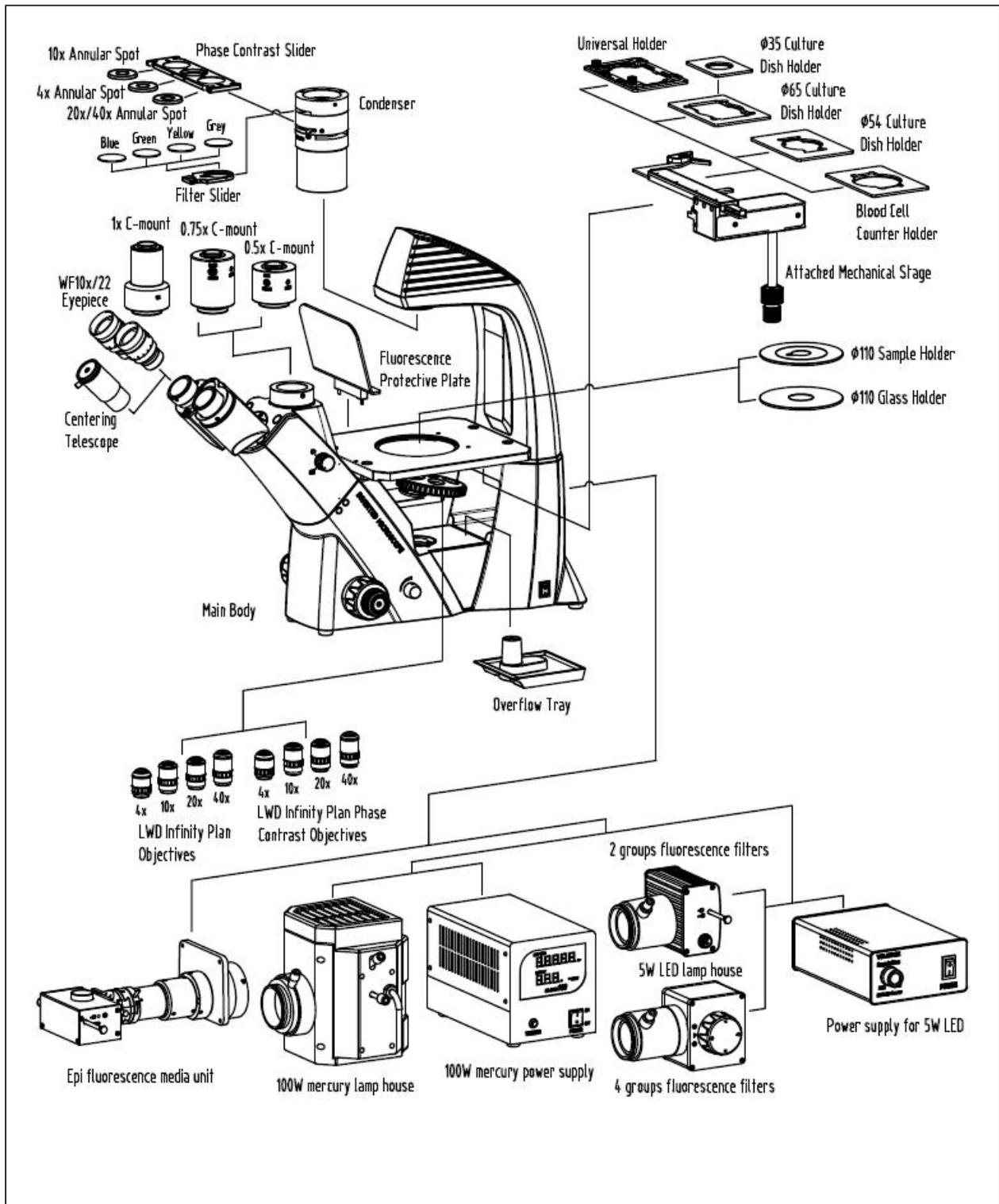
AE-IM400 Inverted Biological Microscope Size(mm)



AE-IM400 Inverted Fluorescence Microscope Size(mm)



AE-IM400 Inverted Biological Microscope General Layout Diagram



AE-IM400 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