DS-3 Inverted Biological Microscope



DS-3

DS-3 Inverted biological microscope is equipped excellent UIS optical system including long working distance plan achromatic objective and wide field plan 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 ideal ergonomic design is adopted in this unit and have easier operation and wider space. This is ideal optical instrument for micro observation in celltissue and transmitted liquid tissue, even in dynamic observation in the culture dish tissue. It can be used in scientific research, universities, medical treatment, epidemic prevention, agriculture etc.



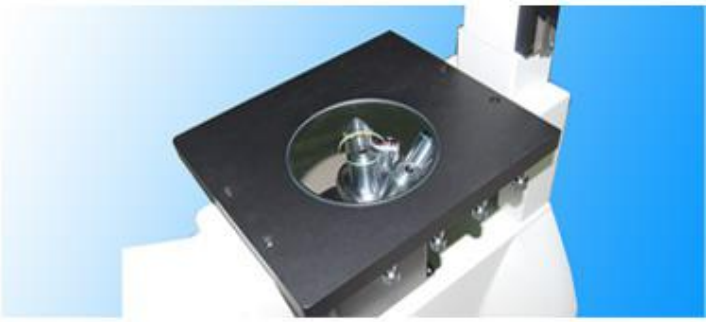
Observation system

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 Φ22mm 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 effec-tive 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.



Simpler and quicker way to replace the bulb without any tools。



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

Phase contrast observation

Equip high quality phase contrast plan objective and phase contrast condenser. There are two mode phase contrast condenser:turntable

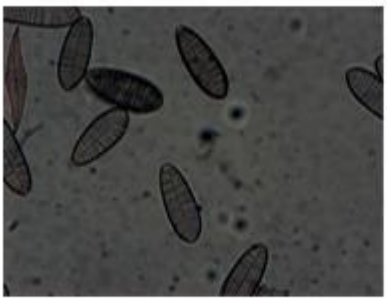




Photography Unit

The photographic observation output is seting up on the back of main body frame, so that the accessories of camera don't cause interference to eyepiece observation. Microphotography in 100% light flux, suits for low illuminance microphotography.

Digital camera photography:



Bright type observe



Positive phase contrast observe



Negative phase contrast observe

Standard configuration

Specification		
Eyepiece	Wide field WF10X(field number:Φ22mm)	
	Centering telescope	
Infinity and long working distance 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	PLL 10X0.25 PHP2 Work distance: 4.3 mm£¬Cover glass thickness: 1.2mm.

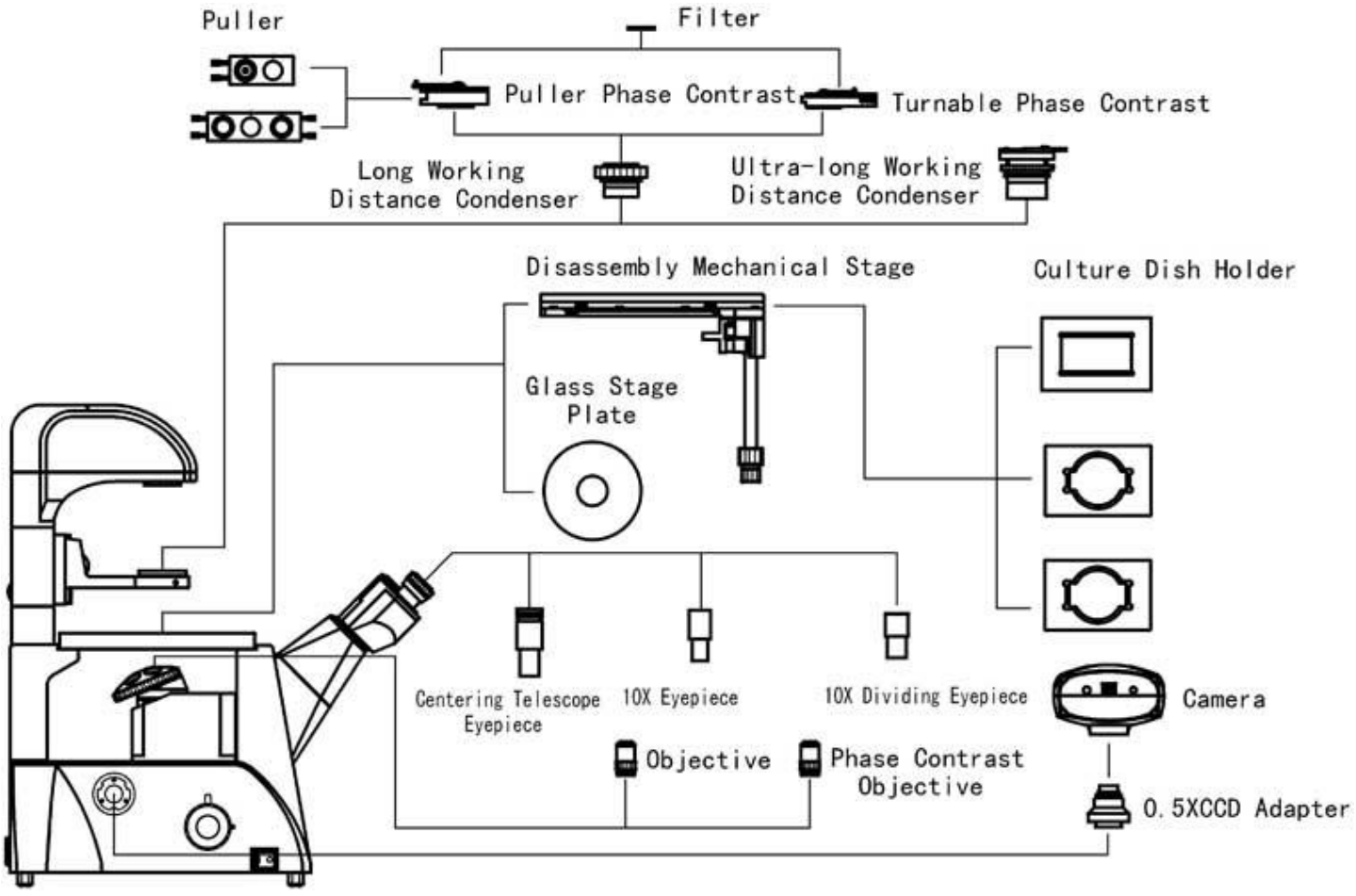
	Objective	
Eyepiece tube	Inclination angle is 45° and interpupillary distance is 53~75mm.	
Focus system	Coaxial coarse/fine focus, with tension adjustable and up stop minimum division of fine focusing is 2μm.	
Nosepiece	Quintuple nosepiece	
Stage	Fixed stage overall size is 227mmX208mm	
	Glass rotundity 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 Φ90mm
	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), optional with a circular culture dish Φ60mm
	culture dish holder 4	inside locating slot size:29mm(W)X77.5mm(L),optional with a circular culture dish Φ35mm
Condenser system	Long working distance condenser, working distance: 55mm, and with turnplate phase contrast unit	
Illumination system	6V30W halogen, brightness enable control	
Filter	Frosted glass and blue , green filter	

Optional accessories

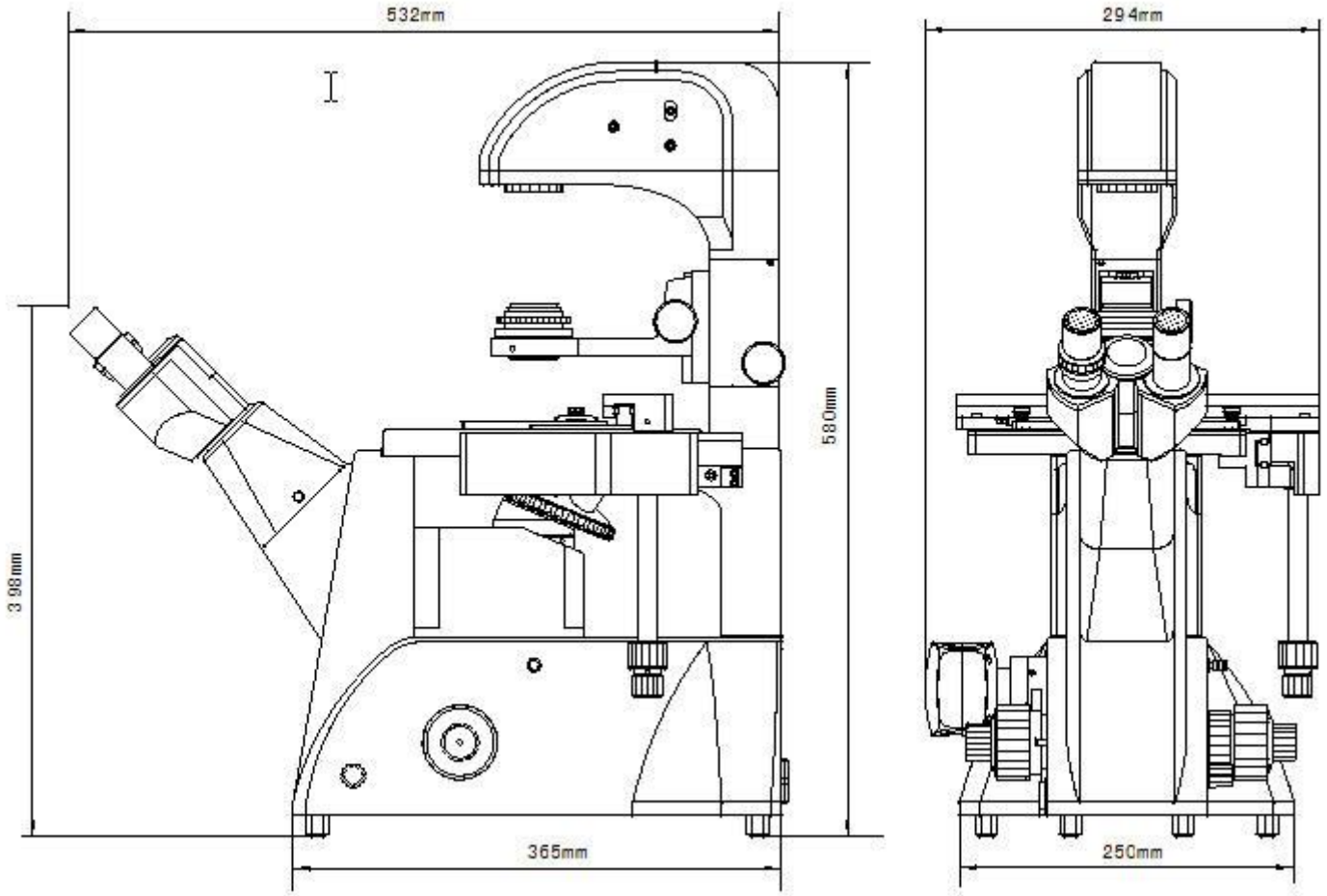
Name	Sort/Technique parameter	NO.
eyepiece	Dividing eyepiece(field number:¦μ22mm) 0.10mm/Div	1122010
Phase Contrast Objective	PL L20X/0.40 PHP2 Work distance: 8.0 mm	2490120
	PL L40X/0.60 PHP2 Work distance: 3.5 mm	2490140
Nosepiece	Hexad nosepiece	
CCD Adapter	0.5X	810004
	1X	810002
Camera	DV-1 Video output£¨380/520 TV line£© USB output £¨0.42 M pixel£©	800001
	DV-2 With USB output £¨1.3M,2.0M,3.0M pixel£©	800003
	DV-3 With video output£¨380/520 TV line£©	800005
Digital camera adapter	CANON(A570,A610,A620,A630,A640,A650,EF) NIKON(F)	820001
Name	Sort/Technique parameter	NO.
eyepiece	Dividing eyepiece(field number:¦μ22mm) 0.10mm/Div	1122010
Phase Contrast Objective	PL L20X/0.40 PHP2 Work distance: 8.0 mm	2490120
	PL L40X/0.60 PHP2 Work distance: 3.5 mm	2490140
Nosepiece	Hexad nosepiece	
CCD Adapter	0.5X	810004

	1X	810002
Camera	DV-1 Video output£¨380/520 TV line£© USB output £¨0.42 M pixel£©	800001
	DV-2 With USB output £¨1.3M,2.0M,3.0M pixel£©	800003
	DV-3 With video output£¨380/520 TV line£©	800005
Digital camera adapter	CANON(A570,A610,A620,A630,A640,A650,EF) NIKON(F)	820001
Name	Sort/Technique parameter	NO.
eyepiece	Dividing eyepiece(field number:¦µ22mm) 0.10mm/Div	1122010
Phase Contrast Objective	PL L20X/0.40 PHP2 Work distance: 8.0 mm	2490120
	PL L40X/0.60 PHP2 Work distance: 3.5 mm	2490140
Nosepiece	Hexad nosepiece	
CCD Adapter	0.5X	810004
	1X	810002
Camera	DV-1 Video output£¨380/520 TV line£© USB output £¨0.42 M pixel£©	800001
	DV-2 With USB output £¨1.3M,2.0M,3.0M pixel£©	800003
	DV-3 With video output£¨380/520 TV line£©	800005
Digital camera adapter	CANON(A570,A610,A620,A630,A640,A650,EF) NIKON(F)	820001

System Diagram



Dimension



Items and specification subject to change,
please contact SC SONEST MEDICAL SRL for current
product information