

# INVERT 20 LABORATORY INVERTED BIOLOGICAL MICROSCOPE



# INVERT 20

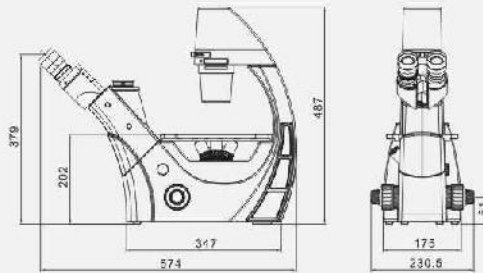
## LABORATORY INVERTED BIOLOGICAL MICROSCOPE

Ergonomic design  
Easy operation and outstanding optical performance  
An ideal option for observing tissue culture cell

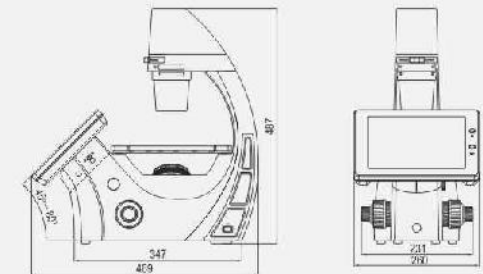
### INVERT 20 specifications

Optical System	Infinity color corrected optical system
Eyeiece	High eye-point wide field plan eyepiece PL10X/22mm (with/without reticle); PL15X/18mm
Objective	OLIPP2N long working distance infinity positive phase contrast plan objective 4X,10X,20X,40X
Nosepiece	Revolving quintuple nosepiece (Quadruple nosepiece for option)
Viewing Head	45° inclined gemel binocular head, interpupillary adjustable distance 54-75mm
	45° inclined gemel trinocular head, interpupillary adjustable distance 54-75mm, fixed splitting ratio for R:T= 80:20
Stage	Stage with glass plate and metal plate, size: 250X160mm. Slider clips, extension plate, coaxial mechanical ruler can be assembled.
Focusing Adjustment	Coaxial focus system with up-limited end tension adjustment. Coarse range: 9mm, fine range: 0.2mm, fine precision: 0.002mm.
Attachable Mechanical Stage	Coaxial focus system, range: 120X78mm, various holders can be assembled.
Holder	N.A.0.3 Koehler illumination condenser with phase-adjustable slide plate, 72mm long working distance. Whole set can be rotated down.
Condenser	Slide holder; Teraseki holder; Petri dish holder
Filter	Green interference filter, color temperature change filter, infrared eliminate filter (φ 45mm)
Illumination	5W warm color LED, 12V/3.3A external transformer, intensity adjustable.
Camera Device	0.5X CTV, 0.67X CTV, 3.2X digital eyepiece

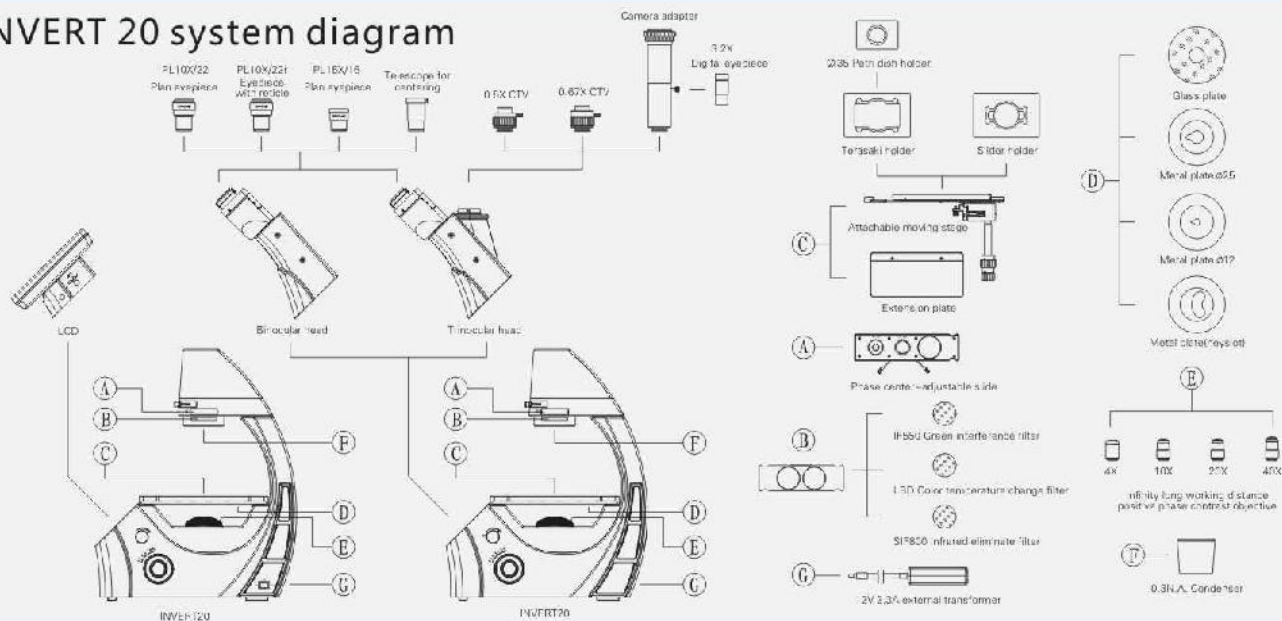
### INVERT 20 dimensions: mm



### INVERT 20 DV dimensions: mm



### INVERT 20 system diagram



GENEX LABORATORIES

Add : 300 Avenue south, Florida, USA  
www.genex-lab.com



As technical improvement, manufacturer has right to make renovation in designing without notice



High-precision focus device, easy operation, outstanding manufacturing technology, insure the working stability and succeed to be your reliable working aid.

# INVERT 20

LABORATORY INVERTED  
BIOLOGICAL MICROSCOPE



## ERGONOMICS VIEWING HEAD

Based on ergonomics, comforting the operators. 45° inclined gemel viewing head, interpupillary adjustable range: 54mm-75mm, diopter +/-5 adjustable.

To assemble camera on the trinocular tube with C-mount, output the observed image into monitor or computer. Professional microscopy image with high resolution and high definition is available.



## OBSERVATION FOR VARIOUS PETRI DISHES

INVERT 20 laboratory inverted biological microscope, specially designed for observing cell tissue. The growth process, tissue outline and internal structure of cell, which is cultured in various culture plates, flasks and petri dishes, can be observed directly.

## WIDE FIELD PLAN EYEPIECE

10X plan eyepiece with 22mm field of view, 15X one with 16mm field of view is conducive to search and count. High eye-point design, relieve fatigue from long time observation.



## OBJECTIVE

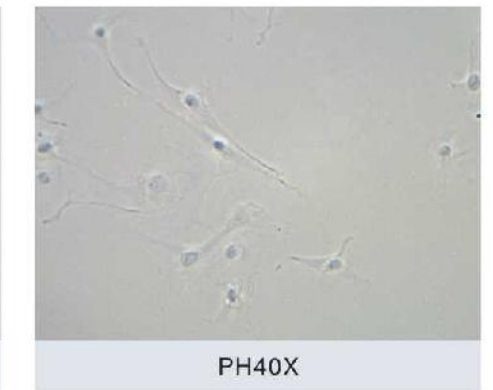
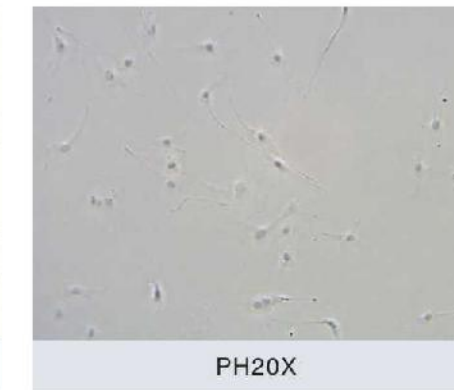
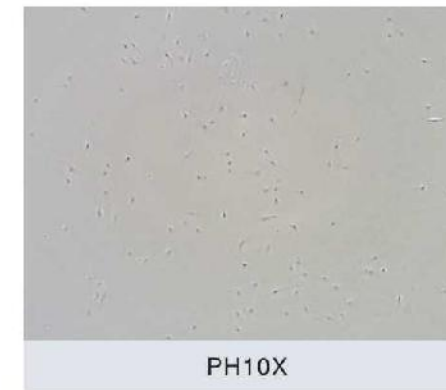
Positive phase contrast plan objective, with large numerical aperture and long working distance, can be freely switched without encountering the stage.

Series	Magnification	N.A.	W.D.	F.N.	Cover glass thickness	Immersion	Spring
PlanPH2 series	PlanPH2 4X	0.13	10.4	22	—	/	/
	PlanPH2 10x	0.25	6.9	22	1.2	/	/
	PlanPH2 20X	0.40	6.7	22	1.2	/	/
	PlanPH2 40x	0.65	3.0	22	1.2	/	Yes



## PHASE CONTRAST OBSERVATION

To insert the phase contrast plate into the condenser slot, working with phase contrast objectives, present a perfect image of living cells or unstained/ low chromatic samples



## LED REPLACE DEVICE

5W warm color LED illuminator, has the characteristics of stable color temperature, low power consumption, long lifetime and adjustable intensity. Center pre-set, adjust the light path under the best condition.

## POWER LINE PLACE

12V 3.3A external transformer, can be placed in the back of microscope body. The unique design makes it convenient to carry the power when moving the microscope.

## STAGE AND RELATED ACCESSORIES

Fixed large stage, adopt advanced hard coating technology to resist wear and corrosion. Extension plate, mechanical ruler and various of petri dish holders for option.

