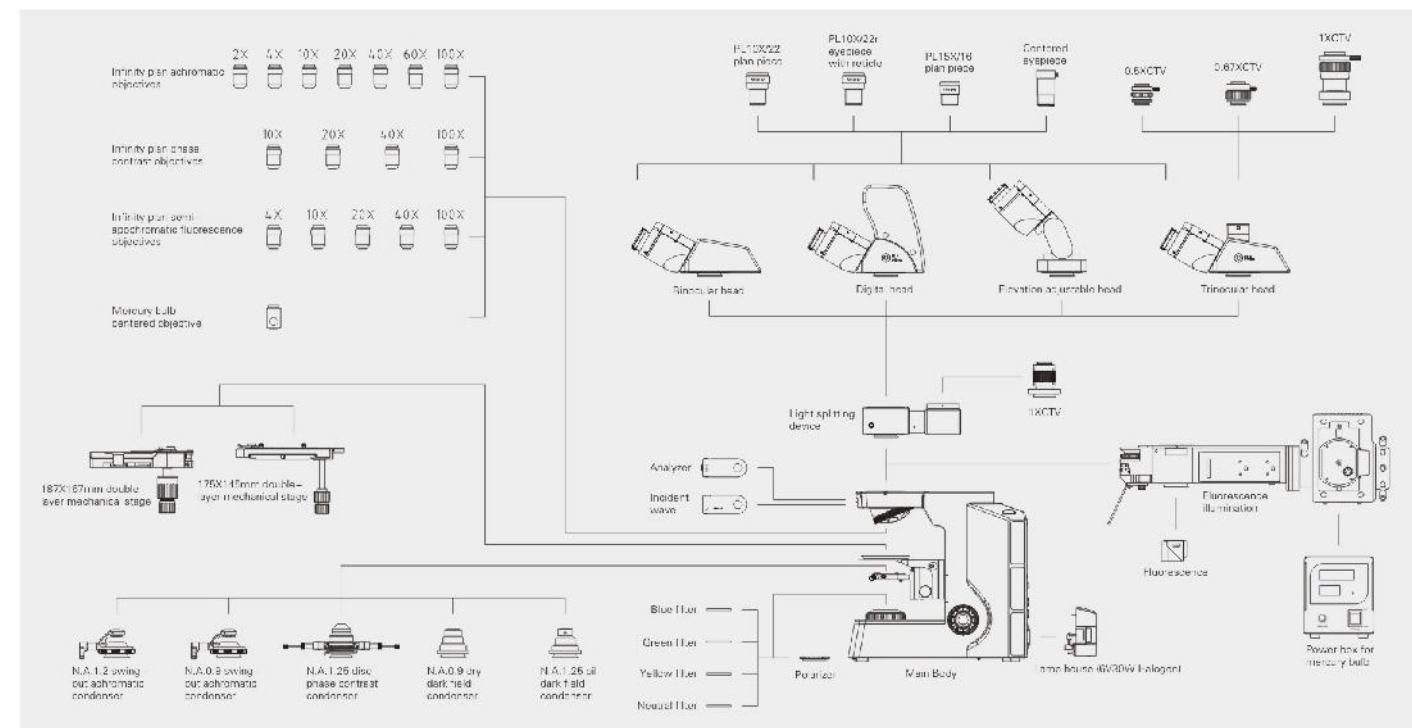


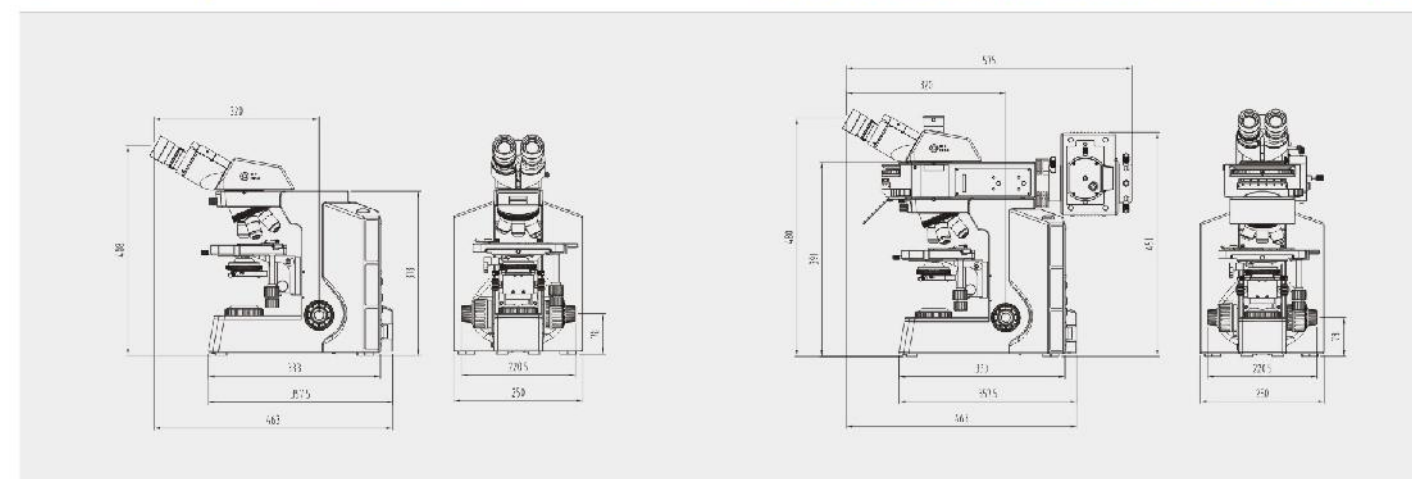
CX40 LABORATORY BIOLOGICAL MICROSCOPE

CX40 series system diagram



CX40 biological model dimensions: mm

CX40 fluorescence model dimensions: mm



NINGBO SUNNY INSTRUMENTS CO.,LTD.
www.sunnyoptical.com
www.sunnyoptical-instruments.com

Add 66-68 Shunyu Rd., Yuyao, Zhejiang, 315400 China
 Tel 0086-574-62530024
 Fax 0086-574-62530066
 E-mail sales@sunnyoptical.com



As technology improves, manufacturer has the right to make renovation in design without notice.

SUNNY INSTRUMENTS
 has passed the certificates:
 ISO 9001
 ISO 14001
 ISO 13485

Printed in China E0701B-1304



SUNNY INSTRUMENTS
CX40 SERIES

CX40

LABORATORY BIOLOGICAL MICROSCOPE

With excellent optical performance and stable system structure, CX40 is professional for biomedicine, pathological diagnosis and other science research.



www.sunnyoptical.com
www.sunnyoptical-instruments.com



CX40 Series Characteristics:

- Infinity color corrected optical system, new upgraded Koehler illumination system, presents a clear & bright micro-image under each magnification.
- Fire-new ergonomic design, steady system structure, easy operation, is suitable for various working environments.
- "Building blocks" design for combining multiple functions, fluorescence, phase contrast, polarizing, dark field attachments can be assembled on the basis of bright field observation.
- Widely apply to clinical diagnosis, teaching experiment, pathological test and other micro-fields.

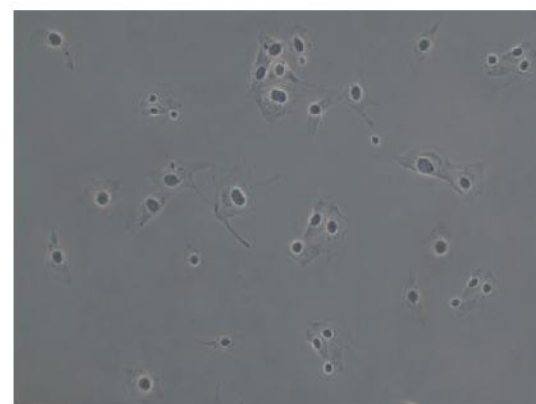
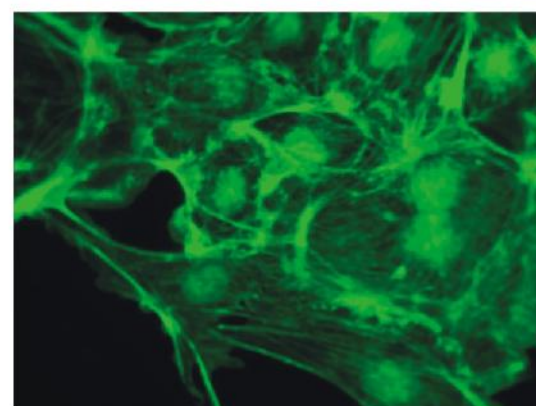
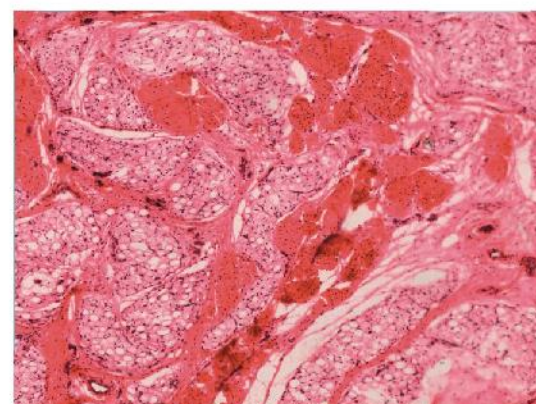


New structure design, optimized optical system



High rigidity body structure

Fire-new designed integrative Y-shaped body, all-metal diecasted under high pressure. High stability, no image dithering under high magnification observation, ensures the test precision of multi-channel fluorescence diagnosis.



Focus adjustment

Coaxial coarse and fine adjustment, according with ergonomics design, create the best comfort to operator.

Screwdriver placement

To make the best of the available space, placing a screwdriver within touch, improves your working efficiency.



Koehler illumination system

6V 30W transmitted system, presents a bright and uniform field under every magnification.

Fire-new designed telecentric Koehler illumination system, working with N.A. 1.2/0.22 swing-out achromatic condenser, applies to 2X~100X observation.



Safe carrying design

The hole on the back of the body make it safe and easy when carry the whole microscope.



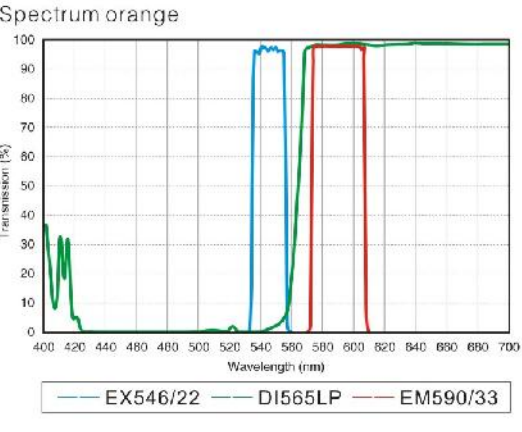
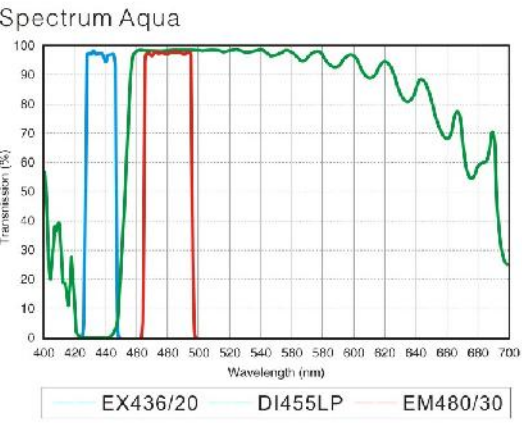
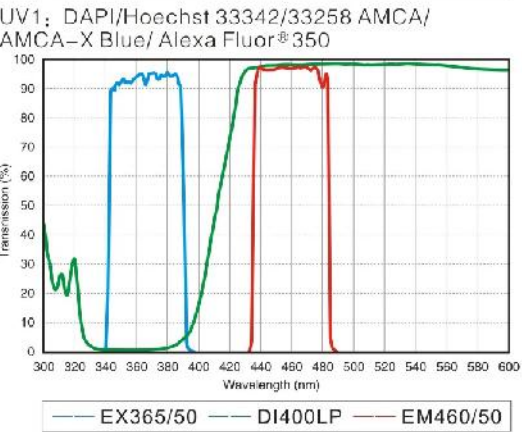
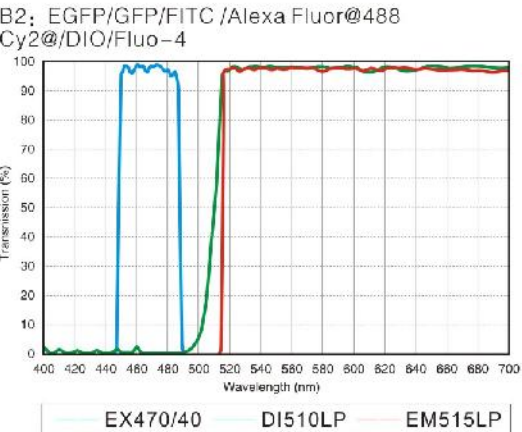
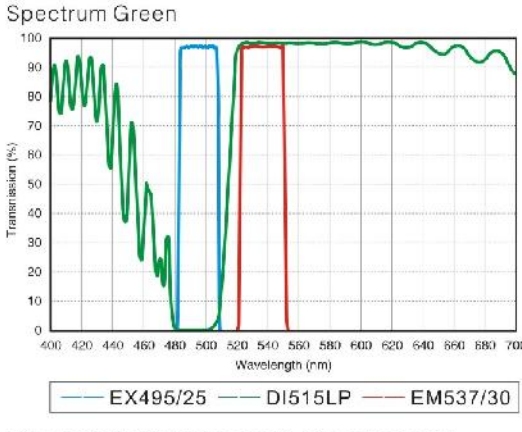
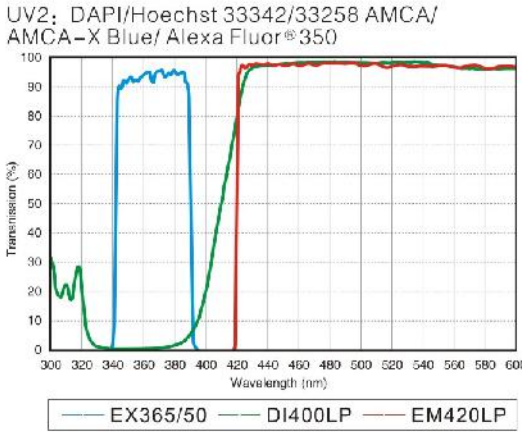
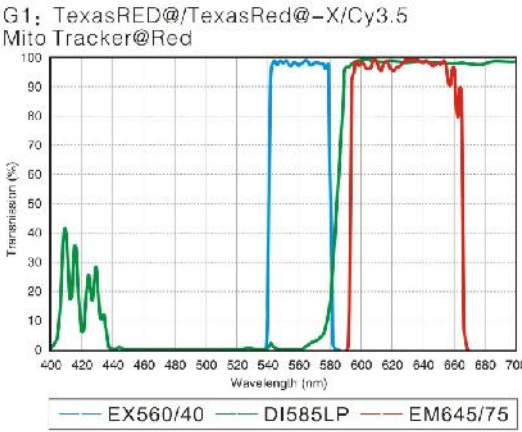
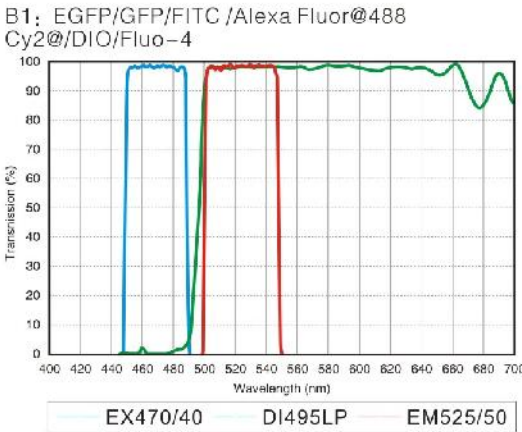
Movable working stage

175x145mm double-layer mechanical stage with operating handle in the right hand. Damped specimen retainer design, two slides can be put together for testing and analyzing comparatively.

187x167mm large double-layer mechanical stage, is made by oxidized metal. Moving range: 80x55mm, precision: 0.1mm, operating handle in the right hand or left hand, linear driving.



Common fluorescence filter parameter



LPLAN series infinity plan achromatic objectives, designed for observing lab pathology and biological cell slices, present sharp and contrast image, work well even in fluorescence observation.



PLAN-PH series infinity phase contrast objectives, improve clarity and contrast, especially suitable to observe colorless or light-colored cells.

PLAN-FLUOR series infinity plan semi-apochromatic objectives, is the best choice for fluorescence observation. Adopting crystal optics materials, perfectly corrects all kinds of chromatic aberrations. Large numerical aperture design presents high resolution, high contrast micro-images. In fluorescence observation, the image is clear and bright while the background is pure black, prominent in ultraviolet fluorescence.

CX40 objective

Series	Magnification	N.A.	W.D.	F.N.	Cover glass thickness	Immersion	Spring
Plan series	Plan2X	0.06	5.0	22	—	/	/
	Plan4X	0.10	11.9	22	0.17	/	/
	Plan10X	0.25	12.1	22	0.17	/	/
	Plan20X	0.40	1.5	22	0.17	/	/
	Plan40X	0.65	0.36	22	0.17	/	Yes
	Plan60X	0.85	0.3	22	0.17	/	Yes
Plan PH series	Plan100X	1.25	0.18	22	0.17	Oil	Yes
	Plan PH10X	0.25	12.1	22	0.17	/	/
	Plan PH20X	0.40	1.5	22	0.17	/	/
	Plan PH40X	0.65	0.36	22	0.17	/	Yes
Plan Fluor series	Plan PH100X	1.25	0.18	22	0.17	Oil	Yes
	Plan Fluor4X	0.13	18.5	25	0.17	/	/
	Plan Fluor10X	0.30	10.6	25	0.17	/	/
	Plan Fluor20X	0.50	2.33	25	0.17	/	/
	Plan Fluor40X	0.75	0.6	25	0.17	/	/
	Plan Fluor100X	1.28	0.21	25	0.17	Oil	/



CX40 series specifications

Optical system	Infinity color corrected optical system
Viewing head	Efficient infinity gemel binocular head, 30° – 60° elevation adjustable; 360° rotatable; interpupillary adjustable distance: 54–75mm; diopter +/-5 adjustable
	30° inclined gemel binocular head; 360° rotatable; interpupillary adjustable distance: 54–75mm; diopter +/-5 adjustable
	30° inclined gemel trinocular head, splitting ratio R:T=50:50 or R:T=0:100; 360° rotatable; interpupillary adjustable distance: 54–75mm; diopter +/-5 adjustable
30° inclined digital binocular head; 360° rotatable; interpupillary adjustable distance: 54–75mm; diopter +/-5 adjustable	
Eye-piece	High eye-point wide field plan eyepiece PL10x22mm, PL15x16mm
Objective	Infinity plan achromatic / phase contrast /semi-apochromatic fluorescence objectives
Nose-piece	Revolving quadruple nosepiece/quintuple nosepiece
Body	Coaxial focus system with upper limited and tension adjustment; coarse range: 30mm; fine precision: 0.002mm; focus height adjustable
Stage	175x145mm double layer mechanical stage, rotatable; with special fabrication processing, anti-corrosive and anti-friction; moving range: 76x50mm, precision : 0.1mm
	187x167mm double layer mechanical stage, moving range: 80x55mm, precision: 0.1mm
Condenser	N.A.0.9 swing-out type achromatic condenser; N.A.1.2/0.22 swing-out type achromatic condenser; N.A.1.25 quintuple phase contrast condenser; N.A.0.9 dry dark field condenser; N.A.1.25 oil dark field condenser
Reflected fluorescence illumination system	XYRFLP reflected fluorescence Koehler illumination with alterable field diaphragm and aperture diaphragm (center adjustable)
	XYLH100HG mercury lamp house with viewfinder; the center and focal length of viewfinder & filament are adjustable
	U2-RFLT100 digital power control box of mercury lamp, wide voltage: 100–240VAC
Transmitted illumination system	Imported OSRAM 100W DC mercury bulb; disc fluorescence filters: UV/VB/G; 30ND25–RFLP / 30ND50–RFLP attenuation plate
	Wide voltage: 100–240V, built-in transmitted Koehler illumination; 6V/30W halogen, pre-centered, intensity adjustable
Polarizing kit	Analyzer 360° rotatable; polarizer and analyzer can be out of light path
Filter	Yellow, green, blue, neutral filter
Light splitting device	R:T=70:30 or 100:0, special 1x CTV
Camera adapter	0.5xCTV, 0.67xCTV, 1xCTV