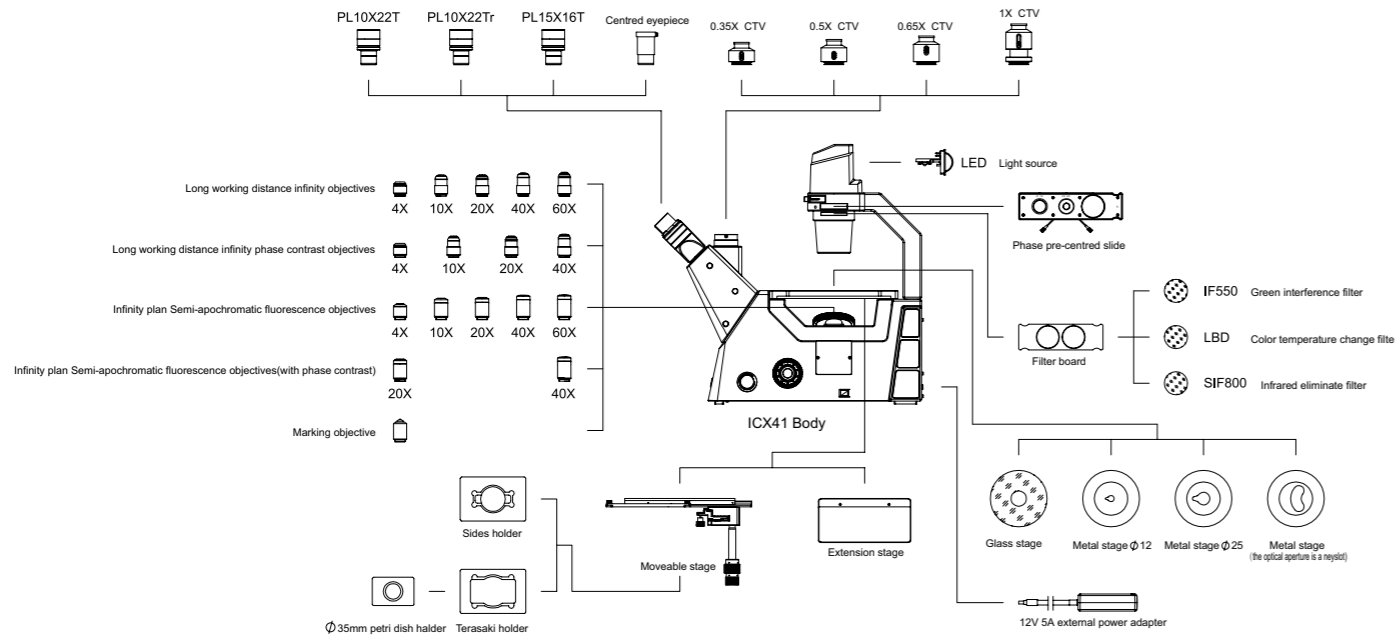
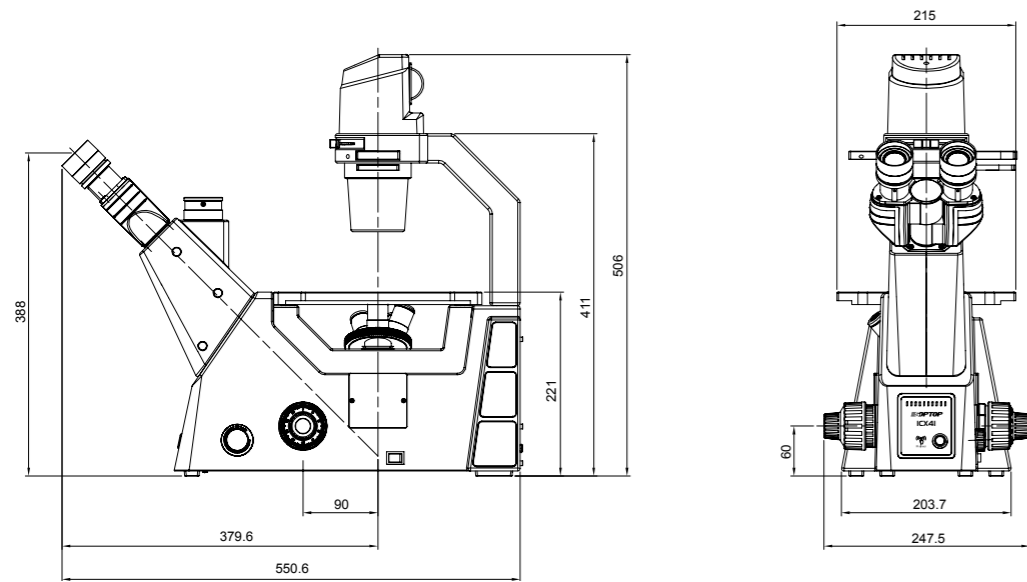


ICX41 Diagram



ICX41 Dimension: mm



NINGBO SUNNY INSTRUMENTS CO., LTD.

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E1201B-1607

No additional notice for changes on the specification or appearance

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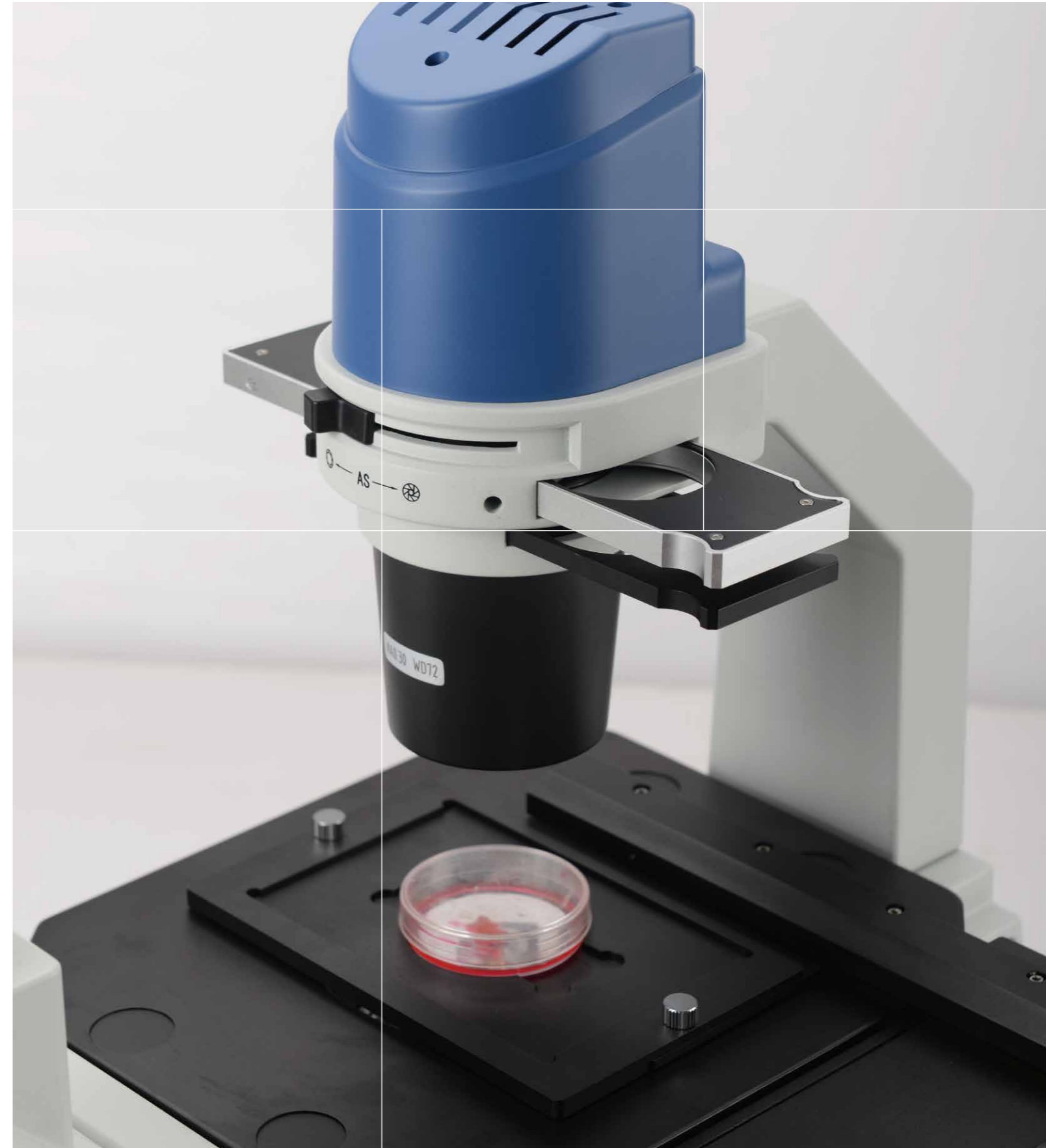
E-mail: sales@sunnyoptical.com

SDPTOP

Sunny Instruments

ICX41

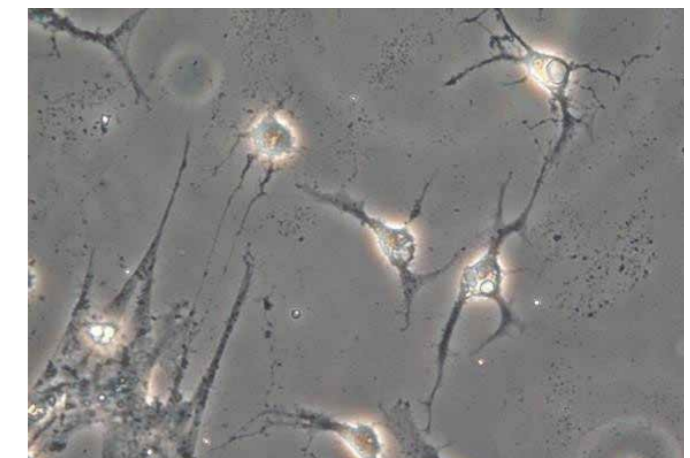
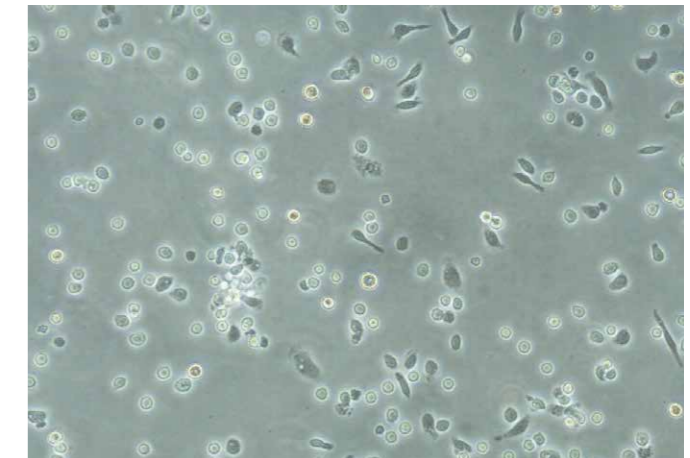
INVERTED BIOLOGICAL MICROSCOPE



Professional solution for cell tissue culture



- With ergonomic designed frame and superior optical system, ICX41 is available for clear micro-image and easy operation.
- Specially designed for cell tissue culture, ICX41 with high contrast and resolution, highlighting the outline and internal structure of cells, meets the needs of basic laboratory research.
- With the core concept of energy conservation and environmental protection, ICX41 is more intelligent and longer lifetime.



Smooth and comfortable operation, intelligent energy conservation system, build your best work.

Ergonomic viewing head

360 ° rotatable viewing head with 50mm–75mm adjustable inter-pupillary distance, the eye-point can be raised 34mm directly by rotating the tube at 65mm IPD, more convenient and faster than traditional way.



Wide field plan eyepiece

Plan 10X eyepiece with 22mm field of view, wide and bright, is easy for target searching. High eye-point, effectively relieve the visual fatigue.

20X phase contrast objective for standard

Super long working distance plan achromatic objectives 4X/10X/40X together with 20X phase contrast objective for standard recommendation, provide clear and high contrast image.

Phase contrast kit

Dedicated phase contrast plate, working with Sunny phase contrast objectives, ensures the best contrast image of living cell or other undyed samples.

Steady structure

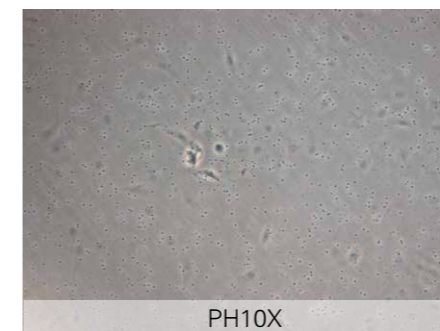
High rigidity aluminum alloy with high-pressure die-casting technology, builds the steady frame of ICX41. Powder spraying process on surface, coating process on lenses, anti-corrosion and anti-wear, create beautiful look and smooth feel, ensures long working time even under hostile circumstance.

Safe and efficient LED illumination

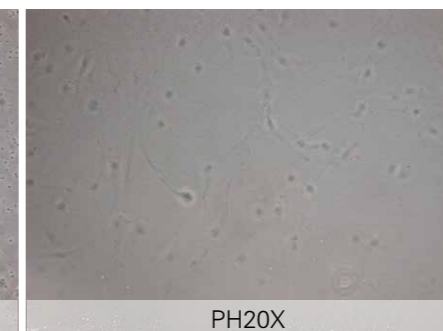
Adopting CREE 5W LED, energy-saving and long-lasting, no fever, the illumination is safe and stable.

Different utensils for different samples

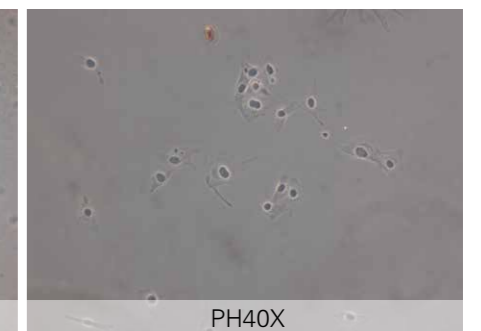
Compact frame with 215mm X 250mm big stage is available to be attached with various sample holders, such as culture dish/bottle, multi-orifice plate, as well as mechanical stage for option.



PH10X



PH20X



PH40X

Complete accessories for diversified demands; Sunny cameras and image software for real and professional image.



Intelligent ECO system

Based on the concept of energy conservation and environment protection, ICX41 is designed with ECO system. The illumination power can be automatically on or off through infrared induction.

Practical "marking objective"

New designed "objective" with ink inside for marking the target, is very practical and effective to extract the target cell when to observe and culture the living cell.

A kit for smart phone connection

Specially designed kit which can be inserted into the eyepiece tube for combining a smart phone on a microscope, keep record on time by taking photo or video.



There are different kinds of cameras with high quality for digital microscope system, provide digital image with natural color technology. With Sunny MvImage software, common image analysis is available.

ICX41 Specification

Optical System	Infinity color corrected optical system
Viewing Head	45° inclined trinocular head, 360° rotatable, inter-pupillary range: 50–75mm, fixed splitting ratio=5:5
Eyepiece	High eye-point wide field plan eyepiece PL10X/22mm, with adjustable diopter, micrometer attachable
	High eye-point wide field plan eyepiece PL15X/16mm, with adjustable diopter
Objective	Infinity plan achromatic objectives 4X/10X/20X/40X/60X
	Infinity plan phase contrast objectives 4X/10X/20X/40X
	Infinity plan fluorescence objectives 4X/10X/20X/40X/60X
	Infinity plan phase contrast and fluorescence objectives 20X/40X
Nosepiece	Quintuple nosepiece
	Quadruple nosepiece
Frame	Biological frame with coaxial focus system, coarse range: 9mm (6.5mm up and 2.5 down), fine precision: 0.002mm. With upper limit and tension adjustment. External wide voltage transformer, 100V–240V input and 12V5A output; 5W LED with light indicator, intensity adjustable. With infrared induction.
Stage	215mm X 250mm fixed stage; mechanical stage attachable, moving range: 120mm X 80mm; extension plate; slide holder; Petri dish holder; Teraseki holder; metal plate; glass plate.
Condenser	NA0.3 long working distance condenser, WD 72mm, demountable.
Camera adapter	0.35X, 0.5X, 0.65X, 1X C–mount adapter
Others	Color temperature change filter, green interference filter, infrared eliminate filter