

HST-301-C Trinocular Upright Multifunction Metallurgical Microscope



(Picture just for reference)

Development Base of Advanced Testing Machine Of China

1. Application

KS 301-C trinocular transreflective upright metallographic microscope is suitable for microscopic observation of opaque or transparent objects. Adopting the excellent design concept of infinity optical system and module function, it can provide excellent optical performance and product system upgrade, realize the functions of simultaneous transmission and reflection, independent illumination, polarized observation and other functions. The product has the characteristics of beautiful appearance, convenient operation, clear image, etc. It is an ideal instrument for research in biology, metallurgy, mineralogy, precision engineering, electronics, etc.

Mechanical stage

Double-layer mechanical stage, size: 210 * 140mm; moving range 63 * 50mm, visual design concept, the user is more convenient and comfortable when operating the stage.



Epi-illumination system

The use of halogen lamps (adjustable brightness) not only provides a clear and clear microscopic observation image for the normal bright field observation method, but also for polarized light and dark field observation methods. Built-in field diaphragm and aperture diaphragm can effectively control the field of view, adjust the contrast of the field of view, and the center of the field diaphragm can be adjusted.



Transmission illumination system

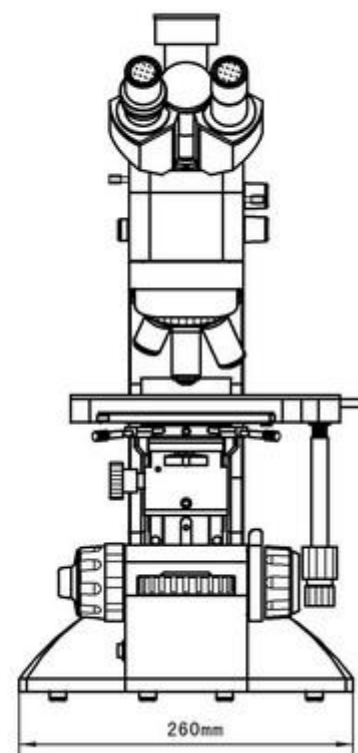
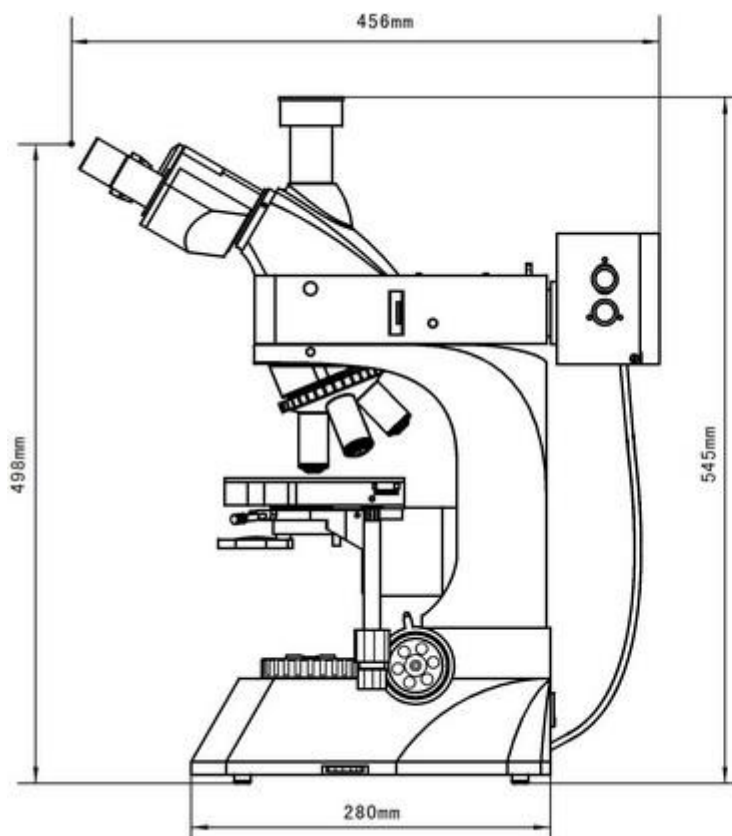
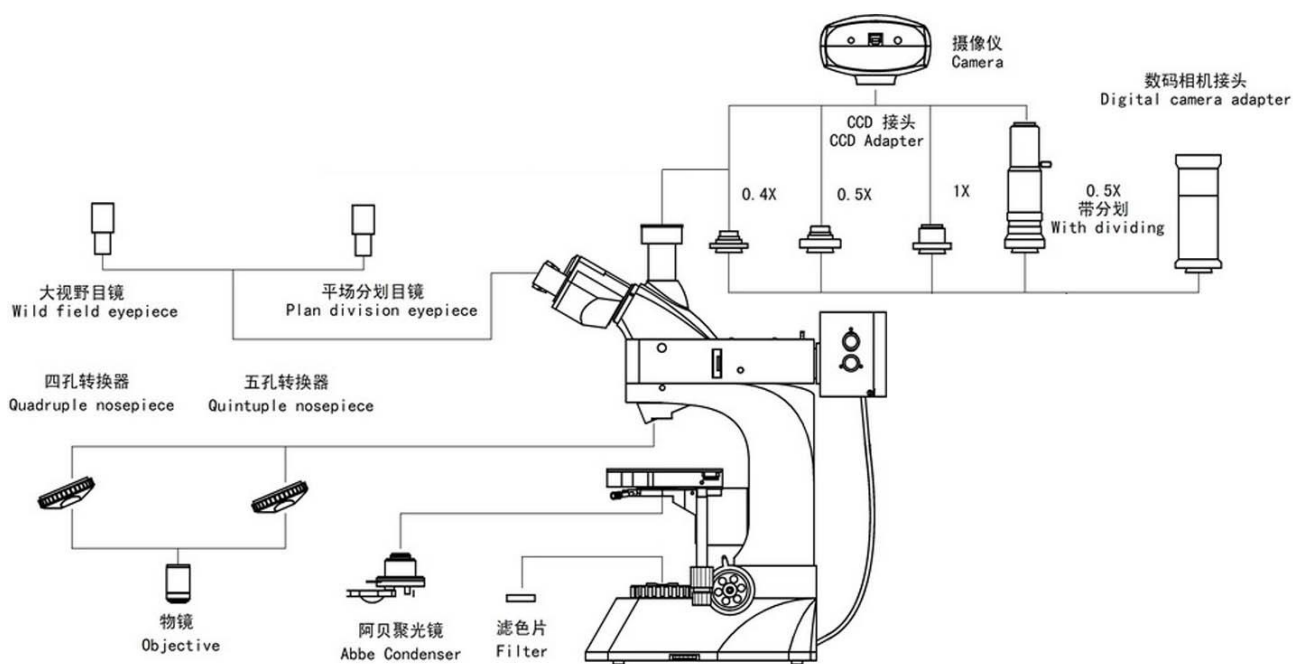
Built-in halogen lamp lighting device: 6V30W halogen lamp (adjustable brightness) can provide clear and clear microscopic observation images. The field diaphragm is built into the concentrator, and the Abbe condenser N.A.1.25 is adjustable up and down.



2. Specifications

Model	HST 301-C	
Optical system	Infinite chromatic aberration correction optical system	●
Observation tube	Trinocular, tilted 30°, (built-in polarizer, switchable)	●
Eyepieces	Wide field WF10X / 22mm	●
	Large field of view WF10X / 22mm, with cross differentiation rule	○
Standard objective lens (Infinity plan achromatic objectives)	PL L5X / 0.12 WD26.1 mm	●
	PL L10X / 0.25 WD20.2mm	●
	PL L40X / 0.60 WD3.98 mm (spring)	●
	PL L 60X / 0.7 WD3.18 mm	●
Optional objective lens (Infinity plan achromatic objectives)	PL L20X / 0.40 WD8.80 mm	○
	PL L50X / 0.70 WD3.68 mm	○
	PL L 80X / 0.80 WD1.25 mm	○
	PL L100X / 0.85 WD0.40 mm	○
Converter	Five holes (inward ball positioning)	●
Focusing mechanism	Coarse and fine focus coaxial adjustment, fine motion grid value: 2μm, coarse and fine tension adjustment, with locking and limit device	●
Stage	Double-layer mechanical movable stage, size: 210mmX140mm, moving range: 63 * 50mm	●
Epi-illumination system	6V30W halogen lamp with adjustable brightness, equipped with yellow, blue and green color filters and frosted glass	●
	Built-in field diaphragm, aperture diaphragm, color filter conversion device, push-pull analyzer and polarizer	●
Transmission illumination system	Abbe condenser NA.1.25 can be moved up and down	●
	Built-in field-of-view light bar in collector lens, 6V30W halogen lamp, adjustable brightness	●
Software supporting	FMIA2020 genuine metallographic analysis software	○
Camera device	Sony chip camera (3 million, 5 million, 6.3 million, 12 million, 16 million, etc.)	
	0.65X, 1X camera receiver	
Micrometer	High-precision micrometer (0.01mm grid value)	

Note: "●" is standard configuration; "○" is optional





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