

LABORATORY PATHOLOGICAL MICROSCOPE

SC-SERIES



Meets the challenges of providing features of a Research Microscope system in a laboratory microscope with its most modern look, and uncompromising performance and yet at a very reasonable price extends the capabilities of viewing from routine laboratory work to crucial research techniques such as phase contrast, dark field, digital micro photography, video projection and image analysis system.

Competence-

- More than 40 years of experience in microscope development
- Highest quality manufacturing techniques
- Focused on customer needs
- Easy integration with professional accessories
- With Reliable professional support



SC-300 Bi

General Technical Data

Body-

Robust mould, ergonomic design sturdy body with three built in filters day light, and neutral density filters

Eyepiece-

High Eye Point, Chromatic Corrected, Wide Field WF10X with FOV 18/20/22mm with diopter adjustment on one or both eyepieces (± 5)

Viewing Head-

Monocular/Binocular/Trinocular Head (30/45 deg inclined) 360 deg rotatable with inter-pupillary distance 54 to 74 mm, 2-position splitting ratio (for trinocular)

Condenser-

Abbe condenser with iris diaphragm and filter slot

Objectives-

Semi-Plan/Plan Achromatic

- 4X, N.A.
- 10X, N.A.
- 40X, N.A.
- 100X, N.A.

Optical system-

Finite/ infinite optical system, multi-layered hard-coated, Color corrected, Anti-fungal, Anti- bacterial Coated, Anti Reflection coated

Mechanical stage-

Right/left-hand control, hard-coated surface 145(X)x 125(Y)mm, low position coaxial movement, Travel range 50(X)x 80(Y)mm & vernier scale X-Y axis, precision:0.1mm

Nosepiece-

Dust Protected Quadruple with Multiple ball-Bearing Rubber grip & Positive Click Stop

Illumination-

Fixed/Koehler 3w/5W/10W LED with life hrs 50,000 or Halogen lamp 6v 20 w/12v 30 w light, intensity adjustable, centre presetting

Focusing-

Coaxial (low position), both side, coarse & Fine with tension control & upper limit stopper Coarse Range 18-30mm, fine Div. 0.02mm/0.01mm per rotation (Rack&Pinion)

Power Supply-

90V-240V/50Hz AC, SMPS, transformer

Certification - CE, ISI, ISO

Optional accessories-

- Rackless stage
- Double Plate Mechanical Stage
- Plan 20x & 60x objectives
- Plan darkfield objectives
- Object micrometer slide
- Pointer eyepiece, Micrometer eyepiece etc.
- Wooden case
- Battery Backup upto 2 hrs
- Long life LED upto 1Lac hrs
- Multi Head Attachment
- H 10x/15x/20x Eyepiece
- Phase contrast- Turrent (4/5/6 position) or slider (2 position)
- Darkfield- N.A. 1.25(oil/dry) with iris diaphragm & filter slot
- Polarizing- Set of Analyser & Polarizer C-mount- 0.35X/0.5X/0.66X/1X Focusing for camera attachment

Standard accessories-

- Vinyl Cover
- 10ml. immersion oil
- Cleaning cloths
- Cleaning tissue Paper
- Hexagonal Key

High performance upgrades-

- Heating Stage
- Teaching Head
- Fluorescence Attachment
- Image Analysis softwares
- Infinity corrected system
- Plan Objectives
- Screen Viewing Head
- 30/45 degree Siedentopf head



Model: SC-300 TR



Model: SC-300 I



Model: SC-300 R



Model: SC-300 TR

LCD-11

- HD high sensitivity CMOS sensor.
- The camera with a separate 11.6-inch HD display via USB stick to capture or record images.
- The camera supports both screen and external monitor sync display.
- The camera's YoungWin OS supports up to 20 types of measurement graphics.
- The camera can be connected to a computer via the UVC port (USB 2.0 above HDMI)



VH-440

- 7"IPS screen displays images and video at a crisp 1080p resolution.
- Includes internal software that supports Image adjustment such as Hue, Saturation, and Brightness, as well as Calibration & Measurement.
- Replaces a compound microscope's (42.5mm mount) trinocular or binocular head.
- Compact and lightweight for ease of transportation and storage.



DATASHEET

ITEMS	SPECIFICATION	SC-300 BI	SC-300 TI	SC-300 I
Eyeiece	WF 10 X FOV- 18 mm WF 15X	● ○	● ○	● ○
Objective	Achromatic 4X , 10X , 40X (S) , 100 X (S , OIL) Achromatic 5X,,20X (S) , 45X (S),90X(S,OIL)	● ○	● ○	● ○
Viewing Head	Monocular Head , Inclined 30 ° , Rotatable 360 ° Binocular Head , Inclined 30 ° , Rotatable 360 ° , Interpupillary Distance : 54 - 74 mm TrinocularHead , Inclined 45 ° , Rotatable 360 ° ,Interpupillary Distance : 54 - 74 mm	●	●	●
Nosepiece	Quadruple Quintuple	● ○	● ○	● ○
Mechanical Stage	Double Layer Mechanical Stage Size: 140x140mm Moving range: 50x60mm Single Layer Mechanical Stage Size: 140x125mm, Moving range: 50x60mm	○ ●	○ ●	○ ●
Condenser	Abbe Condenser N.A 1.25 with Iris Diaphragm	●	●	●
Focusing	Focusing Coaxial Coarse and Fine Adjustment, Coarse Focusing Range 30mm, Fine Focusing Interval	●	●	●
Illumination	LED Light 6V/20W Halogen Lamp	● ○	● ○	● ○

Note: ●Standard Outfit ○ Optional Outfit

ITEMS	SPECIFICATION	SC-300 R	SC-300 Trino R
Eyeiece	WF 10 X FOV- 18 mm WF 15X	● ○	● ○
Objective	Achromatic 4X , 10X , 40X (S) , 100 X (S , OIL) Achromatic 5X,,20X (S) , 45X (S),90X(S,OIL)	● ○	● ○
Viewing Head	Binocular Siedentopf Head , Inclined 30 ° , Rotatable 360 ° , Interpupillary Distance : 48 - 75 mm Trinocular Siedentopf Head , Inclined 30 ° , Rotatable 360 ° ,Interpupillary Distance : 48 - 75 mm	●	●
Nosepiece	Quadruple Quintuple	● ○	● ○
Mechanical Stage	Double Layer Mechanical Stage Size: 140x140mm Moving range: 50x60mm Single Layer Mechanical Stage Size: 140x125mm, Moving range: 50x60mm	○ ●	○ ●
Condenser	Abbe Condenser N.A 1.25 with Iris Diaphragm	●	●
Focusing	Focusing Coaxial Coarse and Fine Adjustment, Coarse Focusing Range 30mm, Fine Focusing Interval	●	●
Illumination	LED Light 6V/20W Halogen Lamp	● ○	● ○

Note: ●Standard Outfit ○ Optional Outfit

