

Window in arm
30° Angle Sidentopf Type
Binocular for Comfort
Reverse angle nosepiece
Ball Bearing Double Plate
Rackless Mechanical Stage
F.O.V.-22mm
with Infinity Plan Optics



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ADELTAVISION[™]
Microscopes

Model No. AV51iB30 SF22R

AV51

Series
LED

Single Die Cast Frame
Infinity Plan Optical System



AdeltaVision
Model AV51iB30 SF22R

Infinity Binocular 30° Inclined Sidentopf type LED Laboratory Microscope

Product Ordering Code : AV 135SF22R

SPECIFICATIONS

Model No.	ADELTAVISION MODEL NO. AV51iB30 SF22R
Standard Main Frame	One piece die casted aluminium mould design, white semi gloss uniform textured finish antifungal PU paint window in arm to facilitate rear viewing.
Optical System	Infinity Optical System.
Built - in white LED illumination	High intensity precentered 3 watt LED, variable light intensity control with separate On/Off switch. Easy LED technology provides cool white even illumination, energy-efficient light for up to 1,00,000 hours.
Viewing Head (Anti-fungal) Infinity	30° inclined sidentopf binocular viewing head, high transmission prisms (antifungal coated) 360° rotatable & secured, ±5 diopter adjustment on both eyepiece tubes or (left one is adjustable and right one is fixed). Inter-pupillary distance (I.P.D) range 48~75 mm.
Light division : 50% : 50%	
Eyepiece lens (Anti-fungal)	High eye point CWF 10x/22mm supplied as standard - 2 Nos. Wide field type Antifungal and High transmission or diopter adjustable eyepieces.
'AP' Plan Achromat Objectives (Anti-fungal)	'AP' Adelta optec ultra high resolution plan Din size achromat, infinity colour corrected objectives fitted with multilayer coated lenses made from imported optical glass. DIN Standard AP 4X (0.10 N.A. ∞/0.17), AP 10X (0.25 N.A. ∞/17), AP 40X (0.65 N.A. ∞/0.17) and AP 100 X oil immersion (1.25 N.A. ∞/17) spring loaded silicon sealed. All are precisely parfocal, parcentered and color coded.
Precision Nose-piece (Reverse backward angle nosepiece)	Quadruple objective turret is reverse ball-bearing mounted for smooth, precise positioning of objectives, smooth forward turn, parfocal & parcenter, internal click stop with multiple bearings. Knurling on metal rim for grip.
Focusing Mechanism	Co-axial coarse with fine focusing system, multiple gear driven on roller guides. Coarse/Fine focusing range 24 mm. Fine focusing knob is graduated in 2µm scale increments. Torque control (tension adjustment) & safety auto focus stop on coarse movement, allows user to lock & set upper limit of stage to prevent glass specimen slide from crashing into objective lens.
Mechanical stage rackless type rectangular double plate	Precision ball bearing double plate rackless type mechanical stage, traverse 75mm (X) and 35mm (Y), vernier reading 0.1 mm. Low positioned co-axial knobs, soft feel and fluid movement. Size 150mm (L) X 130 mm (W) painted with hard PU paint.
Sub Stage Precentred Condenser	Precision Abbe condenser N.A. 1.25 Built into the stage plate, provides extra bright collimated & even illumination at all magnifications, High contrast is achieved by a built-in Circular precision Iris diaphragm i.e. accurately centered. Vertical adjustment of condenser 18 mm adjustable by rack & pinion movement by left hand placed knob.
Power Supply	Plug-in external power adapter, that plugs into DC socket fitted into the microscope rear main frame with On/Off switch to activate the LED lamp. Input :100-240V~, 50/60Hz, 0.4A, Output : 5.0,1 A.
Accessories	Protection Cover, Allen Key, Power Adapter AC-DC 5V/1 A : 1 No., Instruction Manual : 1 No.
Packing	Microscope packed inside in styrofoam box and outer thick cardboard carton of the Dimension : Length x Width x Height (290mm x 290mm x 425mm), Product Net Weight 4.8 Kgs., Gross Weight : 6.8 Kgs. Approx
Optional (Not for Export)	Battery Backup 3.7V 1000 mAh Li-ion Battery backup 3 hours for led illumination on full capacity and battery backup 10 hours for led illumination on 35% capacity.
Optional	30° sidentopf Trinocular (Infinity).

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer.

TO ENSURE CORRECT USAGE, READ USER'S INSTRUCTION MANUAL CAREFULLY BEFORE USING YOUR EQUIPMENT.

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