Trinocular Microscope with high end Infinity apochromatic plan objectives Upgradable to HDMI APCAM Five Megapixels Camera or more, Multi output including built in on chip imaging software. Simultaneous viewing through LCD Projector & LED Television Directly Click microscopy images on screen and store to SD Card in camera without computer

AdeltaVision

Model AV51iT30 SF20

Inclined 30° angle Sidentopf Trinocular Microscope upgradable HDMI Camera

Product Ordering Code : AV136SF20

SPECIFICATIONS

Model No.	AV51iT30 SF20
Standard Main Frame	Wide body design, ensuring maximum stability, smaller foot print base, antifungal PU paint, colour textured white.
Optical System	Infinity corrected optical system.
Built-in white LED illumination	High intensity precentered 3 watt LED, variable light intensity control. Easy LED change, removable magnetic contact illuminator allow changing of LED while microscope remains in the upright position. LED technology provides cool white even illumination, energy-efficient light for up to 50,000 hours.
Viewing APCAM HDMI Camera (Upgradable Optional)	5 Megapixel, 32 GB SD Card, HDMI Cable, USB, Wireless Mouse, built in on chip Imaging software simultaneous viewing through LCD & LED Television & Capturing of Photos (No need of windows based computer), CD of software if required can be attached to laptop for windows 10 (optional 8 Megapixel).
Viewing Head (Anti-mold) Trinocular with "C" mount CCD Adapter- Infinity	30° inclined sidentopf trinocular viewing head 50:50 lights equal split between Binocular & Photo Tune. 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-mold)	Ultra widefield PLAN WF 10x/F.O.V. 20mm (paired) high eye point (suitable for spectacle wearer also).
'AP' Plan Apochromat Objectives [Anti-fungal (Infinity Plan)]	'AP' Adelta Optec high resolution infinity plan Apochromat Din Size objectives fitted with multilayer coated lenses made from imported optical glass . DIN standard AP 4X (0.10 N.A), AP 10X (0.25 N.A), AP 40X (0.65 N.A.) and AP 100X oil immersion (1.25 N.A) spring loaded and silicon sealed. All are parafocal, parcentered and colour-coded & colour corrected.
Precision Nose-piece	Quadruple objective turret is ball-bearing mounted for smooth, precise positioning of objectives, smooth forward turn, parafocal & paracenter, inernal 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 form crashing into objective lens.
Mechanical Stage rectangular	Pecision ball bearing type, traverse 76mm (X) and 35mm (Y), vernier reading 0.1 mm. Low positioned co-axial knobs, soft feel and fluid movement. Size 144mm (L) X 120 mm (W) painted with hard PU paint.
Sub Stage Precentred Condenser	N.A. 1.25, Vertical adjustment of condenser 18 mm, by rack & pinion movement. Moveable by left hand placed knob, precision smooth centered Iris diaphragm for accurate aperture control.
Power Supply for Microscope	Plug-in external SMPS power supply, Input : 100-240VAC 50-60Hz 0.3 Amp., Output: 5VDC/1.0 Amp. Plugs into DC socket fitted into the microscope rear main frame with On/Off switch.
Accessories	Protection Cover, Allen Key, AC-DC 5V/1.0 Amp., Adapter : 1 No., Instruction Manual : 1 No.
Packing	Length x Width x Height (440mm x 325mm x 275mm, Gross Weight : 5.8 Kgs. Approx Microscope Packed inside in Styrofoam Box - Net Weight 9 Kgs.
Optional (Not for Export)	Battery Backup 3.7 V 1000 mAH Li-on. Battery Backup 3 hours for led illumination on full capacity and battery backup 10 hours for led illumination on 35% capacity.

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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ISO 9001 : 2015 Certified

ISO 13485 : 2016 Certified

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Microscopes

Model No. AV51iT30 SF20

AV51

Series LED

Single Die Cast Frame

Infinity Plan Optical System

Sidentopf Trinocular Microscope