

Trinocular Microscope with
plan objectives upgradable to
HDMI APCAM Five Megapixels Camera
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



**ADELTA[®]
OPTEC**

The Microscopes
with sharp images

**ADELTAVISION[™]
Microscopes**

Model No. AV51iT30 SH

AV51
Series
LED

AdeltaVision

Model AV51iT30 SH

Inclined 30° angle Trinocular Microscope
Product Ordering Code : AV 136SH

SPECIFICATIONS

Model No.	AV51iT30 SH
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 1,00,000 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.
Viewing Head (Anti-mold) Trinocular with "C" mount CCD Adapter	30° inclined Sliding Trinocular viewing head with 50:50 beam splitter for trinocular tube supplied with 0.5X CCD Camera Adapter, high transmission prisms (antifungal coated) 360° rotatable & secured, ±5 diopter adjustment on both tubes. Inter-pupillary distance (I.P.D) range 53~76 mm.
Light division 50% : 50%	
Eye-piece Lens (Anti-mold)	Widefield PLAN WF 10x/F.O.V. 18mm (paired) high eye point (suitable for spectacle wearer also).
'AV' Plan Achromat Objectives (Anti-fungal)	'AV' Adelta Optec high resolution Din size plan Achromat objectives fitted with multilayer coated lenses made from imported optical glass . DIN standard AV 4X (0.10 N.A), AV 10X (0.25 N.A), AV 40X (0.65 N.A) and AV 100X oil immersion (1.25N.A) spring loaded and silicon sealed. All are precisely parafoveal, parcentered and color coded.
Precision Nose-piece	Quadruple objective turret is ball-bearing mounted for smooth, precise positioning of objectives, smooth forward turn, parafoveal & paracenter, 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 rectangular	Precision ball bearing type, traverse 76mm (X) and 40mm (Y), vernier reading 0.1 mm. Low positioned co-axial knobs, soft feel and fluid movement. Size 135mm (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 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 : 5.8 Kgs. Approx
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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ADELTAVISION
MICROSCOPES



ISO 9001 : 2015 Certified
ISO 13485 : 2016 Certified

Single Die Cast Frame
Plan Optical System
Trinocular Microscope

