



**High Performance
&
Stability**

**30° Inclined Monocular
Microscope with Camera Port**

**ADELTA[®]
OPTEC**

The Microscopes
with sharp images

ADELTAVISION[™]
Microscopes
Model No. AV51iMC30

AV51
Series
LED

**Single Die Cast Frame
PLAN OPTICS**



AdeltaVision

Model AV51iMC30

Inclined 30° Monocular LED Laboratory Microscope with Camera Port

Product Ordering Code : AV 135MC

SPECIFICATIONS

Model No.	ADELTAVISION MODEL NO. AV51iMC30
Standard Main Frame	One piece die casted aluminium mould design, white semi gloss uniform textured finish antifungal PU paint.
Optical System	Finity Optical system, 160 mm tube length.
Built - in white LED illumination	High intensity precentered 3 watt LED, variable light intensity control with on/off switch. Easy LED change. LED technology provides cool white even illumination, energy-efficient light for up to 1,00,000 hours.
Viewing Head (Anti-fungal)	30° inclined monocular viewing head, with camera port fitted with 50 : 50 beam splitter to mount camera, high transmission prism (antifungal coated) 360° rotatable & secured.
Eyepiece lens (Anti-fungal)	High eye point WF 10x/18mm, high eye point Wide field type Antifungal and High Transmission F.O.V. 18 mm - 1 No.
'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 (1.25 N.A.) spring loaded and silicon sealed All are precisely parfocal, parcentered and colour coded.
Precision Nose-piece	Quadruple objective turret is ball-bearing mounted for smooth, precise positioning of objectives, smooth forward turn, parfocal & 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	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 : 5.8 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 with Inclined Tube and HDMI Camera.
Optional	HDMI 5 MP multi output camera with USB2, SD Card, in built on chip software.

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.

Adelta Optec

E-29, Jai Springs Road Industrial Area, Yamuna Nagar- 135001, Haryana, India

Phone : +91-1732-252738, +91 9306807669

Mobile : +91 9996000620

Email : adeltaoptec@gmail.com

Website : www.adeltaoptec.com

ADELTAVISION
MICROSCOPES



ISO 9001 : 2015 Certified
ISO 13485 : 2016 Certified