

**ADELTA<sup>®</sup>  
OPTEC**  
The Microscopes  
with sharp images

**ADELTAVISION<sup>™</sup>**  
**Microscopes**  
Model No. AV51iM30

**AV51**  
Series  
LED

Single Die Cast Frame  
PLAN OPTICS



**High Performance  
&  
Stability**  
**Inclined 30° angle Monocular  
LED Laboratory Microscope**



AdeltaVision

**Model AV51iM30**

Inclined 30° angle Monocular LED Laboratory Microscope

SPECIFICATIONS

Product Ordering Code : AV 135M

|                                             |                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model No.                                   | ADELTAVISION MODEL NO. AV51iM30                                                                                                                                                                                                                                                                                                                                                 |
| 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, 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 & 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 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.                                                                                                                                                                                                              |

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