



BEYOND

Innovation Beyond Imagination

Dewinter 

General Catalogue



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OPTIMA

Trinocular Research Microscope



Dewinter Optical Inc.

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www.dewinterindia.com | www.dewintermicroscope.com | www.dewinterkorea.com



Technical Specifications

Trinocular Observation Head

- Siedentopf observation head inclined at 30° rotatable at 360°.
- Vertical phototube for photomicrography
- Diopter adjustment ring on ocular tube. (±5)
- Interpupillary distance from 48mm to 75mm.

Eyepiece (Anti fungus coated)

- Extra wide field 10X (paired)
- F.O.V. 25mm. Ocular dia 30mm

Objectives (Infinite Corrected) Anti Mold & Anti fungus coated

- CCIS Plan Achromatic 2X
- CCIS Plan Achromatic 4X
- CCIS Plan Achromatic 10X
- CCIS Plan Achromatic 20X
- CCIS Plan Achromatic 40X (S.L.)
- CCIS Plan Achromatic 100X Oil (S.L.)

Mechanical Body

- Co-axial focusing control with large knob, PRE-FOCUSING LEVER & TENSION ADJUSTMENT RING.
- Reverse angle sextuple nosepiece revolving on ball bearings. Slot for Polarizer & DIC.

- Double plate reckless mechanical stage size 187mm x 167mm & having low positioned co-axial controls on ball bearing guide ways Removable & Rotatable.
- Fine div 0.001mm, coarse stroke 37.7mm per rotation, Fine stroke 0.1mm/rotation .Moving range 24mm.

Sub Stage Condenser

- Swing out front lens, abbe condenser N.A. 0.9/1.25, filter holder and iris diaphragm.

Illumination System

- Kohler illumination system with 3W LED external illuminator. Iris diaphragm on collector lens. Aspherical collectors. Brightness control knob.

Standard Accessories

- 3W LED bulb, dust cover, guarantees card, blue filter, Operating manual and Styrofoam molded pack.

Dewinter

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**Dewinter**

DGI 530 HDMI

One button hi-resolution imaging

Welcome to the world of Dewinter Microscope Cameras

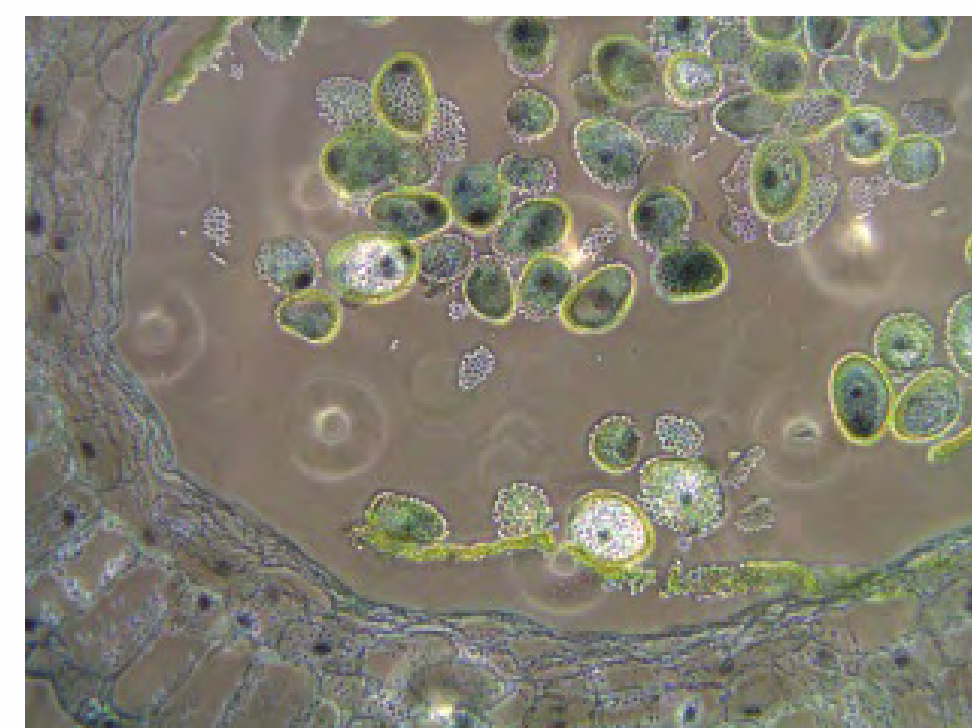
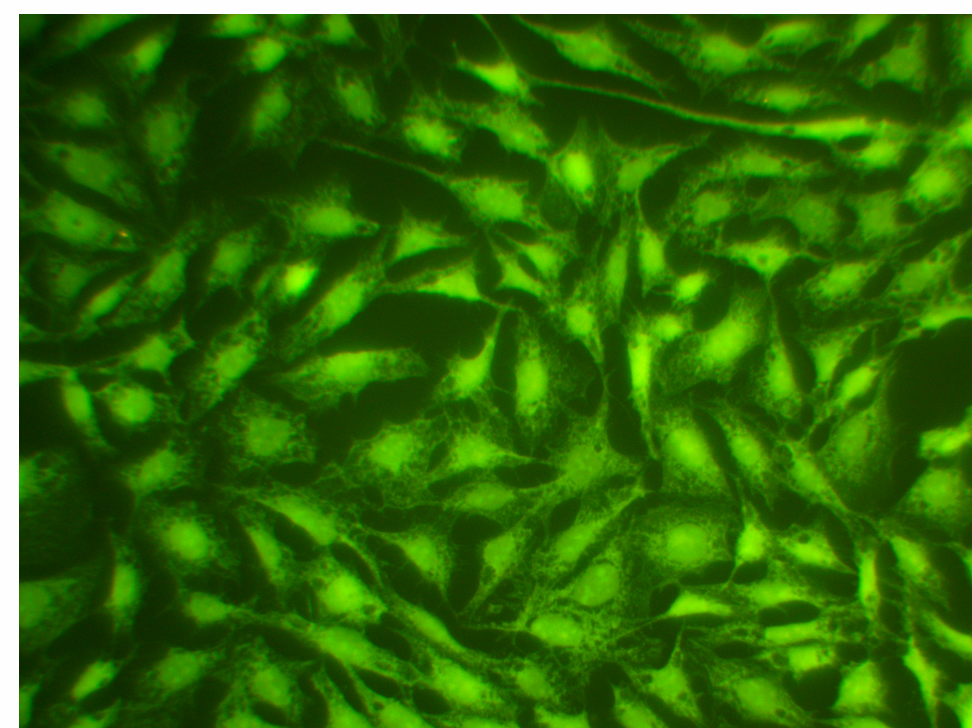
DGI 530 HDMI Multi-mode Microscope Camera, It is a 1080P HD scientific grade image processing project that has ultra superior color reproduction and super fast frame speed. Its functions can be independent utilized.

Camera can be operated on HDMI screen independently or process images via HDMI Cable, USB2.0 or USB 3.0 without connecting with PC. The fast change responding speed and short responding time of the optical signal adopted by DGI 530 HDMI has been used in many areas like optical image processing fields.

5.5 Mega Pixel USB Resolution

Technical Specifications

Image Sensor	CMOS, Color
Chip Size	1/2.8" (5.38mm x 3.02mm) FULL HD CMOS
Resolution	2592 x 1944 (8 Bits at 5.5 MP)
Pixel Size	2.8 microns X 2.8 microns
Output	HDMI, USB, SD Card
Framerate	60 fps at 1080P(HDMI) / 15fps at 2592x1944(PC)
Memory Card	Support TF Card (Max 32 GB)
Snap Format	JPG
Video Format	AVI
Exposure	Auto / Manual
White Balance	Auto / Manual
Cross Line	Horizontal 4 Lines, Vertical 4 Lines Available.
Freeze / Unfreeze	Available
Cross Line Move/Colour	Support
High Dynamic Range	Support
Digital Noise Reduction	Support
Shutter	Electronic
Camera Mount	C or CS Mount (Reduction Lens 0.37x,0.5x/0.7x/1x)
Power Supply	DC 12V
Light Frequency	50 Hz or 60 Hz.
QE	65%
Working Temperature	0-50 Deg.
Camera Size	78 x 70 x 92mm
Weight	200 gm.

**Dewinter****Italy Dewinter Technologies**

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Dewinter 

discover more
with remarkable

Optical
performance

Prime

Binocular/
Trinocular
Biological
Microscope



Excel

Trinocular
Pathological
Microscope



Technical specifications

Binocular/Trinocular Observation Head

- Siedentopf observation head inclined at 30° rotatable at 360°.
- Vertical focusable phototube for micro photography.
- Diopter adjustment ring on ocular tube (±5).
- Interpupillary distance from 50mm to 75mm.

Eye-piece (Anti fungal treated)

Wide field 10X (Paired) F.O.V. 18mm.

Objectives (Anti fungal treated)

- S-Plan Achromatic 4X
- S-Plan Achromatic 10X
- S-Plan Achromatic 40X (S.L.)
- S-Plan Achromatic 100X Oil (S.L.)

Mechanical Body

- Co-axial focusing system. PRE-FOCUSING LEVER & TENSION ADJUSTMENT RING.

- The slow motion has 1div=0.002mm.
- Reverse angle quadruple nosepiece revolves on ball bearing.
- Mechanical stage size 132mm x 140mm having low positioned controls.
- Cross movement 50mm x 76mm.

Sub Stage Condenser

Abbe condenser N.A. 1.25 with iris diaphragm.

Illumination System

The built-in-base illumination system with ultra high brightness single 3W LED cold light source. Brightness control knob.

Standard Accessories

Dust cover, operating manual, guarantee card, Styrofoam molded pack.

Trinocular Observation Head

- Siedentopf observation head inclined at 30° rotatable at 360°.
- Vertical focusable phototube for micro photography.
- Diopter adjustment ring on ocular tube (±5).
- Interpupillary distance from 50mm to 75mm.

Eye-piece (Anti fungal treated)

Wide field 10X (Paired) F.O.V. 18mm.

Objectives (Anti fungal treated)

- E-Plan Achromatic 4X
- E-Plan Achromatic 10X
- E-Plan Achromatic 40X (S.L.)
- E-Plan Achromatic 100X Oil (S.L.)

Mechanical Body

- Co-axial focusing system. PRE-FOCUSING LEVER & TENSION ADJUSTMENT RING.

- The slow motion has 1div=0.002mm.
- Quadruple nosepiece revolves on ball bearing.
- Mechanical stage size 140mm x 132mm having low positioned controls.
- Cross movement 76mm x 50mm.

Sub Stage Condenser

Abbe condenser N.A. 1.25 with iris diaphragm.

Illumination System

The built-in-base illumination system with ultra high brightness single 3W LED cold light source. Brightness control knob.

Standard Accessories

Dust cover, operating manual, guarantee card, Styrofoam molded pack.

Dewinter's new range of medical microscopes are designed to handle high specimen throughput and reduces fatigue during long hour observation. All models are loaded with siedentopf observation head, high brightness LED, double plate large stage and vertical phototube for micro photography. The upper limited stopper and reverse angle nosepiece gives clear access to stage. In addition, a universal size photography coupler, 18-25 mm FOV eye pieces and 100% flat field infinity objectives provides exceptional clarity without compromising on crispness. Most of our models incorporate rackless ceramic/glass stage preventing possibility of accidental damage or hand injury. Dewinter's microscopes are upgradable to Phase contrast, Dark field, simple Polarizing, Koehler's illumination, Epi- fluorescence (LED or Mercury), DIC attachments. Long list of features.. despite a modest price.

Crown

Trinocular
Pathological
Microscope



Classic

Trinocular
Pathological
Microscope



Trinocular Observation Head

- Siedentopf observation head inclined at 30° rotatable at 360°. Light splitting ratio 8:2.
- Vertical focusable phototube for micro photography.
- Diopter adjustment ring on ocular tube (±5).
- Interpupillary distance from 50mm to 75mm.
- Reverse angle quadruple nosepiece revolves on ball bearing.
- Mechanical stage size 140mm x 132mm having low positioned controls on ball bearing guide ways.

Sub Stage Condenser

- Abbe condenser N.A. 1.25 with adjustable iris diaphragm.
- Illuminator system with ultra high brightness 3W LED.
- Brightness control knob.

Standard Accessories

- Dust cover, blue filter, operating manual, guarantee card and Styrofoam molded pack.

Eyeiece (Anti fungal treated)

- Extra wide field 10X (paired) F.O.V. 20mm.

Objectives (Infinity corrected & anti fungal treated)

- CCIS Plan Achromatic 4X
- CCIS Plan Achromatic 10X
- CCIS Plan Achromatic 40X (S.L.)
- CCIS Plan Achromatic 100X Oil (S.L.)

Mechanical Body

- Co-axial focusing system. PRE-FOCUSING LEVER & TENSION ADJUSTMENT RING.

Trinocular Observation Head

- Siedentopf observation head inclined at 30° rotatable at 360°.
- Diopter adjustment ring on ocular tube.
- Interpupillary distance from 48mm to 75mm.
- Vertical focusable phototube for Digital camera.

Eyeieces (Anti fungal treated)

- Extra wide field 10X (paired) F.O.V. 22mm.

Objectives (Infinity corrected & anti fungal treated)

- IOS Plan Achromatic 4X
- IOS Plan Achromatic 10X
- IOS Plan Achromatic 40X (S.L.)
- IOS Plan Achromatic 100X Oil (S.L.)

Mechanical Body

- Co-axial focusing system. PRE-FOCUSING LEVER & TENSION ADJUSTMENT RING.

- Reverse angle quintuple nosepiece revolves on ball bearing. Slot for polarizer.
- Mechanical stage size 216mm X 150mm. having low positioned co-axial controls.

Sub Stage Condenser

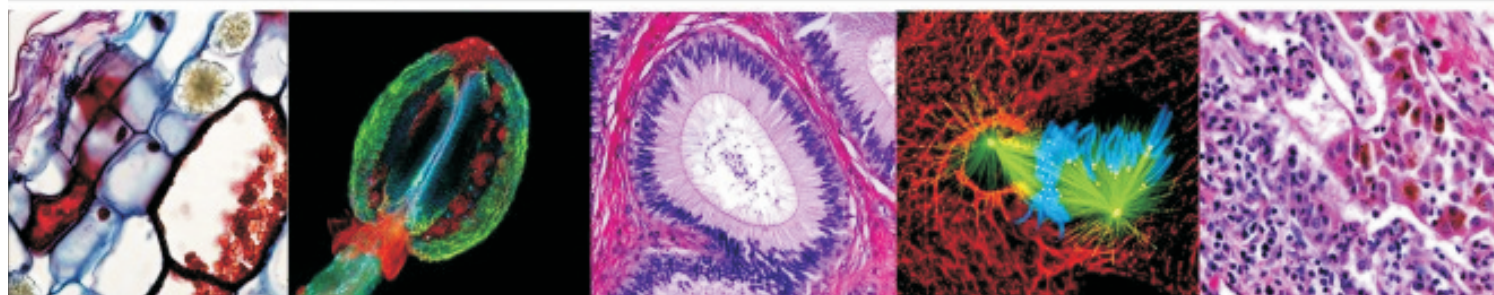
- Abbe condenser N.A. 1.25 with adjustable iris diaphragm.

Light Source

- Transmitted light source: Kohler's illumination system with 3W LED.

Standard Accessories

- Dust cover, operating manual, blue filter and styrofoam molded pack.





Technical specifications

Trinocular Observation Head

- Siedentopf observation head inclined at 30° rotatable at 360°.
- Vertical focusable phototube for micro photography.
- Diopter adjustment ring on ocular tube (±5).
- Interpupillary distance from 50mm to 75mm.

Eyeiece (Anti fungal treated)

Extra wide field 10X (paired).
F.O.V. 22mm. Ocular dia 30mm.

Objectives (Infinity corrected & anti fungal treated)

- CCIS Plan Achromatic 4X
- CCIS Plan Achromatic 10X
- CCIS Plan Achromatic 20X
- CCIS Plan Achromatic 40X (S.L.)
- CCIS Plan Achromatic 100X Oil (S.L.)

Mechanical Body

- Co-axial focusing control with large knob, PRE-FOCUSING LEVER & TENSION ADJUSTMENT RING.

- Reverse angle quintuple nosepiece revolving on ball bearings with slot for Polarizer & DIC attachments.
- Rotatable & rackless mechanical stage size 187mm x 167mm.
- Low positioned co-axial controls on ball bearing guide ways.
- Fine div 0.001mm, coarse stroke 37.7mm per rotation, Fine stroke 0.1mm/rotation, moving range 24mm.

Sub Stage Condenser

Swing out front lens, abbe condenser N.A. 0.9/1.25, filter holder and iris diaphragm.

Illumination System

Koehler's illumination system with 3W LED external illuminator. Aspherical collector. Brightness control knob.

Standard Accessories

3W LED bulb, dust cover, blue filter, guarantee card, operating manual and styrofoam molded pack.



Technical specifications

Trinocular Observation Head

- Siedentopf observation head inclined at 30° rotatable at 360°.
- Vertical focusable phototube for micro photography.
- Diopter adjustment ring on both oculars (±5).
- Interpupillary distance from 47mm to 78mm.
- Optional tilting observation head. Angle 5°-35°.

Eyeiece (Anti fungal treated)

- Super wide field 10X (paired) F.N. 25mm.
- Ocular dia 30mm.

Objectives (Anti mold & anti fungal treated)

- Infinity color corrected Plan Achromatic 4X (N.A 0.1W.D 30 mm)
- Infinity color corrected Plan Achromatic 10X (N.A 0.25W.D 20.1 mm)
- Infinity color corrected Plan Achromatic 20X (N.A 0.4W.D 6.4 mm)
- Infinity color corrected Plan Achromatic 40X (S.L.) (N.A 0.65W.D 0.7 mm)
- Infinity color corrected Plan Achromatic 100X Oil (S.L.) (N.A 1.25W.D 0.2 mm)

Mechanical Body

- Co-axial focusing control with large knob, PRE-FOCUSING LEVER & TENSION ADJUSTMENT RING.

- Reverse angle sextuple nosepiece with slot for Polarizer & DIC attachments.
- Detachable, rotatable & rackless new sapphire crystal ultra hard-wearing stage.
- Mechanical stage size 190mm x 152mm & having low positioned co-axial controls on ball bearing guide ways with capacity to hold two glass slides at a time.
- Fine div 0.001mm, coarse stroke 35mm per rotation. Moving range 78mm x 54mm.
- Energy saving mode with light intensity LED indicator.
- Built-in base filters (NCB 11, ND-2, ND-8, ND-32)
- Upper limit stopper.

Sub Stage Condenser

- Swing out front lens, abbe condenser N.A. 0.9/1.25, filter holder and iris diaphragm.

Illumination System

- Koehler's illumination system with 12V-100W halogen external illuminator. Aspherical collector. Brightness control knob. Optional 3W LED available.

Standard Accessories

- 12V-100W halogen tungsten bulb, dust cover, blue filter, guarantee card operating manual and styrofoam molded pack.

Dewinter 

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