

# Microscopy

## Inspired Solutions For Your Laboratory



# Compound Microscopes – Lower Education

## Focus Monocular Compound Microscope

The Focus II monocular compound microscope is a school/college/university student microscope that comes with a built-in carrying handle. Economical with all the basic features required for educational use. Comfortable and reliable operation with modern design.



Comes with a **built-in carrying handle**

### Specifications

Cat. No.	1100.4440M		1100.4400M	1100.4000M
Optical Head	Monocular, inclined at 45° and 360° (rotatable)			
Siedentopf	Yes			
Dioptré	No			
Eyepieces	10x/18 mm widefield with pointer			
Turret Format	Triple			
Objectives	4x, 10x, 40x, 100x Achromatic	4x, 10x, 40x Achromatic		
Objective Type	Finite			
Condenser	Brightfield Abbe – NA 1.25 with iris diaphragm and filter holder. Rack and pinion adjustment for condenser			
Stage Size	120 x 120 mm with built-in condenser (N.A. 1.25)			
Focusing	Coaxial coarse and fine			
Illumination	20W halogen	0.5W LED	20W halogen	
Package	One spare bulb, two spare fuses, dust cover, blue filter and instruction manual			



360° revolving stage enables **precise detection of birefringence**

## Specifications

Cat. No.	1111.2441	1111.2442	1111.2443	1111.2444
Optical Head	Monocular, inclined at 30°		Binocular, inclined at 30°	
Siedentopf	Yes			
Dioptré	No			
Eyepieces	10x / 18mm widefield			
Turret Format	Quadruple			
Objectives	4x, 10x, 40x, 60x Achromatic	4x, 10x, 40x, 100x Achromatic		4x, 10x, 40x, 60x Achromatic
Objective Type	Finite			
Condenser	Brightfield Abbe – NA 1.25 with iris diaphragm			
Stage Size	120mm round and rotates 360°			
Focusing	Coaxial coarse and fine			
Illumination	20W halogen			
Package	Dust cover and instruction manual			

# Colt Compound Microscopes

The affordable Colt compound microscope offers undergraduate and postgraduate students flawless visibility of samples and brilliant optical quality for various educational laboratory applications.

## Specifications

Cat. No.	1100.5160M	1100.5111	1100.5162	1100.5101	1100.5103
Optical Head	Monocular 30° and 360° (rotatable)		Binocular, inclined at 30° and 360° (rotatable)		Trinocular, inclined at 30° and 360° (rotatable)
Siedentopf	Yes				
Dioptré	No				
Eyepieces	10x /16 mm widefield				
Turret Format	Quadruple				
Objectives	4x, 10x, 40x, 60x Achromatic	4x, 10x, 40x, 100x Achromatic	4x, 10x, 40x, 60x Achromatic	4x, 10x, 40x, 100x Achromatic	
Objective Type	Finite				
Condenser	Brightfield Abbe – NA 1.25 with Iris diaphragm				
Stage Size	Mechanical, 110 x 120 mm				
Focusing	Coaxial coarse and fine				
Illumination	15W Halogen				
Package	One spare bulb, two spare fuses, dust cover, and instruction manual				

## Accessories

Cat. No.	Description
<b>9556.5600M</b>	Ceti 5 MP Digi-Pad microscope tablet camera with 9.7 inch 1080P screen, 15 FPS capture/record Software, HDMI, Wi-Fi, Bluetooth, x2 USB and TF card expansion
<b>9556.5810M</b>	Ceti D18 18MP digital microscope camera with capture software
<b>9558.0018</b>	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card
<b>9558.0063</b>	Ceti 6.3 MP digital microscope camera with capture software
<b>9556.5810</b>	Ceti WFHD5C 13.3 inch high resolution HDMI monitor

**NA 1.25 Abbe condenser with**  
Iris diaphragm



# Life Sciences Microscopes - Compound

## Max III Compound Microscope

Perfect for teaching laboratories; known for its robust construction and simple operation. This durable microscope is an excellent choice for carrying out everyday applications in teaching laboratories.

Great value-for-money upright biological microscopes which bridge the gap between low-cost student models and the more expensive research microscopes. Max III also encompasses a unique 'self-store' power cord system for easy handling and storage.

### Specifications

Cat. No.	1203.1003	1203.1004	1203.1006
Optical Head	Monocular, inclined at 45°		
Siedentopf	Yes (47 to 78 mm Interpupillary distance)		
Dioptré	Dioptric correction on one eyepiece tube		
Eyepieces	10x / 18 mm widefield		
Turret Format	Quadruple		
Objectives	4x, 10x, 40x Achromatic	4x, 10x, 40x, 100x (oil) Achromatic	4x, 10x, 40x, 60x Achromatic
Objective Type	Finite		
Condenser	Brightfield Abbe NA 1.25, Pre-centred, focusable, with iris diaphragm and filter holder		
Stage Size	Built-in mechanical, 160 x 140 mm with slide holder		
Focusing	Coaxial coarse and fine with stop		
Illumination	3W LED, variable light intensity		20W Halogen, variable light intensity
Package	Blue filter, dust cover, power cord and instruction manual	Immersion oil (10 ml) blue filter, dust cover, power cord and instruction manual	Blue filter, dust cover, power cord and instruction manual
Additional Features	Power cord unique 'self-store' system		

Cat. No.	1203.2004	1203.2005	1203.2006	1203.2044
Optical Head	Binocular with photo port, inclined at 45°			
Siedentopf	Yes (47 to 78mm Interpupillary distance)			
Dioptré	Dioptric correction on one eyepiece tube			
Eyepieces	10x / 18mm widefield with pointer in one eye			
Turret Format	Quadruple			
Objectives	4x, 10x, 40x, 100x (oil) Achromatic	4x, 10x, 40x, 100x (oil) Plan Achromatic Objectives	4x, 10x, 40x & 100x (oil) Infinity Corrected Plan Achromatic	4x, 10x, 40x, 100x (oil) Achromatic
Objective Type	Finite			
Condenser	Brightfield Abbe NA 1.25, Pre-centred, focusable, with iris diaphragm and filter holder			
Stage Size	Built-in mechanical, 160 x 140mm with slide holder			
Focusing	Coaxial coarse and fine with stop			
Illumination	3W LED			20W Halogen
Package	Immersion oil (10ml), blue filter, dust cover, power cord and instruction manual			



**Unique 'self-store' power cord system** for easy handling and storage

Cat. No.	1203.3004	1203.3005	1203.3006
<b>Optical Head</b>	Trinocular with photo port, inclined at 30° and 360° (rotatable)		
<b>Siedentopf</b>	Yes (47 to 78 mm interpupillary distance)		
<b>Dioptr</b>	Dioptric correction on one eyepiece tube		
<b>Eyepieces</b>	10x / 18 mm widefield with pointer in one eye		
<b>Turret Format</b>	Quadruple		
<b>Objectives</b>	4x, 10x, 40x, 100x (oil) Achromatic	4x, 10x, 40x, 100x (oil) Plan Achromatic	4x, 10x, 40x, 100x (oil) Infinity Corrected Plan Achromatic
<b>Objective Type</b>	Finite		Infinite
<b>Condenser</b>	Brightfield Abbe NA 1.25, Precentred, focusable, with iris diaphragm and filter holder		
<b>Stage Size</b>	Built-in mechanical, 160 x 140 mm with slide holder		
<b>Focusing</b>	Coaxial coarse and fine with stop		
<b>Illumination</b>	3W LED		
<b>Package</b>	Immersion oil (10 ml), blue filter, dust cover, power cord and instruction manual		
<b>Additional Features</b>	Power cord unique 'self-store' system		

## Accessories

Cat. No.	Description
<b>1203.4888</b>	Ceti Max III microscope 1x camera mount
<b>9556.5600M</b>	Ceti 5 MP Digi-Pad microscope tablet camera with 9.7 inch 1080P screen, 15 FPS capture/record software, HDMI, Wi-Fi, Bluetooth, x2 USB and TF card expansion



# Magnum Compound Microscope

P1 of 2

The Magnum binocular compound microscope comes with a choice of objectives and a quintuple reversed nosepiece. It features a robust, sturdy T-shaped base, designed to offer maximum stability. Modern, ergonomic features, such as a 30° inclined eyepiece tube, ensure a comfortable viewing position.

This biological microscope is ideal for routine use in general QC conditions and routine examinations of slide mounted samples. Optional accessories include a polarising set, phase contrast sets, HBO 100W fluorescent attachment, and dark-field condensers.

## Specifications

Cat. No.	2621.0000M	2622.0000M	2629.0000M	2638.0000M	2721.0000M
Optical Head	Binocular, inclined at 30°				Trinocular with photo port, inclined at 30°
Siedentopf	Yes (55 to 75 mm interpupillary distance)				
Dioptrre	Dioptric adjustment on one eyepiece tube				
Eyepieces	10x / 20 mm widefield				
Turret Format	Quintuple				
Objectives	4x, 10x, 40x, 100x (oil) Semi-Plan Achromatic	4x, 10x, 40x, 100x Plan Achromatic Objective	4x, 10x, 40x, 100x Infinity Corrected Plan Achromatic	10x, 20x, 40x, 100x Phase Contrast Objectives	4x, 10x, 40x, 100x Semi-Plan Achromatic
Objective Type	Finite		Infinite	Finite	
Condenser	Brightfield Abbe - NA 1.25, pre-condenser with field and Iris diaphragm				
Stage Size	Built-in mechanical, 210 x 140 mm with slide holder				
Focusing	Coaxial coarse and fine with stop tension adjustment ring				
Illumination	3W LED with intensity control, full Köhler illumination				
Package	Blue and green filter, 2 spare fuses, immersion oil (10 ml), soft rubber eyecups, dust cover, tension tool and instruction manual				
Additional Features	Dual slide holder, ergonomic carry handle				

## Accessories

Cat. No.	Description
2757.2060M	Ceti Magnum and Versus microscope 0.5x camera mount
2757.2050M	Ceti Magnum and Versus microscope 1x camera mount
9558.0005	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card
9556.5600M	Ceti 5 MP Digi-Pad microscope tablet camera with 9.7 inch 1080P screen, 15 FPS capture/record software, HDMI, Wi-Fi, Bluetooth, x2 USB and TF card expansion
9558.0063	Ceti 6.3 MP digital microscope camera with capture software
9558.0018	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card



Features a robust, sturdy T-shaped base,  
**designed to offer maximum stability**

Full **Köhler** illumination



## Specifications

Cat. No.	2721.7000M	2722.0000M	2729.0000M	2738.0000M	2753.0000M
Optical Head	Trinocular with photo port, inclined at 30°				
Siedentopf	Yes (55 to 75 mm interpupillary distance)				
Dioptré	Dioptric adjustment on one eyepiece tube				
Eyepieces	10x / 20 mm widefield				
Turret Format	Quintuple				
Objectives	4x, 10x, 40x, 100x Infinity Corrected Plan Achromatic	4x, 10x, 40x, 100x Plan Achromatic Objectives	4x, 10x, 40x, 100x Infinity Corrected Plan Achromatic	PH10x, PH20x, PH40x, PH100x Phase Contrast	4x, 10x, 40x, 60x Infinity Corrected Plan Achromatic
Objective Type	Infinite	Finite	Infinite	Finite	Infinite
Condenser	Brightfield Abbe - NA 1.25, pre-condenser with field and Iris diaphragm			Pre-condenser with field diaphragm	Pre-condenser with field diaphragm
Stage Size	Built-in mechanical, 210 x 140mm with slide holder				Round, centrable with scale and two stage clips
Focusing	Coaxial coarse and fine with stop tension adjustment ring				
Illumination	3W LED with intensity control, full Köhler illumination				
Package	Blue and green filter, 2 spare fuses, immersion oil (10 ml), soft rubber eyecups, dust cover, tension tool and instruction manual				
Additional Features	Dual slide holder, ergonomic carry handle				
Special Features	—	Rechargeable	—	Phase contrast turret	Polariser

## Epi-fluorescence Model Specifications

Cat. No.	2777.0000M
Optical Head	Trinocular with photo port, inclined at 30°
Siedentopf	Yes (55 to 75mm interpupillary distance)
Dioptré	Dioptric adjustment on one eyepiece
Eyepieces	10x / 20 mm widefield
Turret Format	Quintuple
Objectives	4x, 10x, 40x, 100x (oil) Infinity Corrected Plan Achromatic
Objective Type	Infinite
Condenser	Pre-condenser with focusable/centrable iris field diaphragm
Stage Size	Built-in mechanical, 210 x 140mm with slide holder
Focusing	Coaxial coarse and fine with stop tension adjustment ring
Illumination	3W LED with intensity control, full Köhler illumination
Illumination - reflected	3.6W LED
Package	Blue and green filter, 2 spare fuses, immersion oil (10 ml), soft rubber eyecups, dust cover, tension tool and instruction manual
Additional Features	Dual slide holder, ergonomic carry handle
Special Features	Fluorescence, blue/green/ultraviolet/violet excitation



# Triton Compound Trinocular Research Microscope

High performance compound microscopes; ideal for clinical applications with a variety of lighting options. This advanced range of biological upright microscopes provides excellent quality images via the widefield FN22 mm eyepieces. Featuring a robust, T-shaped base, designed to offer maximum stability.

## Specifications

Cat. No.	3100.5000M	3100.5050M
Optical Head	Trinocular, fixed at 30°	Trinocular, ergonomic 0-45°
Eyepieces	10x / 22 mm widefield	
Turret Format	Sextuple	
Siendentopf	Yes (55 to 75 mm interpupillary distance)	
Dioptré	Dioptric adjustment on one eyepiece tube	
Objectives	4x, 10x, 40x, 100x Infinity Corrected Plan Achromatic	
Objective Type	Infinite	
Condenser	Brightfield Abbe NA 1.25 with iris diaphragm centrable through a centring device	
Stage Size	Built-in mechanical, 185 x 142 mm with slide clip	
Focusing	Coaxial coarse and fine, focusable with rack and pinion height adjustment system, pre-focusing mechanic and tension adjustment ring	
Illumination	50W halogen, full Kohler illumination	
Package	Instruction manual	
Additional Features	Swing-out filter holder, swing-out condensing lens	

## Multi-Observation Models

Cat. No.	3100.9050M		3100.9100M		3100.9200M		3100.9500M	
Optical Head	Trinocular ergonomic 0–45°							
Eyepieces	10x / 22 mm widefield							
Turret Format	Sextuple							
Siendentopf	Yes (55 to 75 mm interpupillary distance)							
Dioptre	Dioptric adjustment on one eyepiece tube							
Objectives	4x, 10x, 40x, 100x Infinity Corrected Plan Achromatic							
Objective Type	Infinite							
Condenser	Brightfield Abbe NA 1.25 with iris diaphragm, centrable through a centring device							
Stage Size	Built-in mechanical, 185 x 142 mm with slide clip							
Focusing	Coaxial coarse and fine, focusable with rack and pinion height adjustment system, pre-focusing mechanic and tension adjustment ring							
Illumination	50W halogen, full Kohler illumination				100W halogen, full Kohler illumination			
Package	Instruction manual							
Additional Features	One teaching head, Swing-out filter holder, swing-out condensing lens	Two teaching head Swing-out filter holder, swing-out condensing lens	Three teaching head Swing-out filter holder, swing-out condensing lens	Four teaching head Swing-out filter holder, swing-out condensing lens				

Featuring a **robust**, T-shaped base,  
designed to offer **maximum stability**

10x / 22mm **widefield**



## Accessories

Cat. No.	Description
<b>3157.2055</b>	Ceti Inverso and Triton 0.5x camera mount
<b>3157.2050M</b>	Ceti Triton & Inverso TC-100 1x camera mount
<b>9558.0005</b>	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD Card
<b>9556.5600M</b>	Ceti 5 MP Digi-Pad microscope tablet camera with 9.7 inch 1080P screen, 15 FPS capture/record software, HDMI, Wi-Fi, Bluetooth, x2 USB and TF card expansion
<b>9558.0063</b>	Ceti 6.3 MP digital microscope camera with capture software
<b>9558.0018</b>	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card

# Vulcan Compound Motorised Microscope

The Vulcan motorised biological microscope is designed to allow users to enjoy safe, comfortable operation, and superb quality observations of their specimens. The intensity of illumination for each objective can be adjusted and the intelligent AIS (Automatic Illumination System) automatically recalls that intensity with the relevant objective. This averts the possibility of uncomfortable over-bright illumination. With the handy ECO function the transmitted light turns off automatically after 30 minutes of non-use. This not only saves energy but also prolongs the life of the long-life LED even further.

The motorised nosepiece adds to the ergonomics of the microscope as objectives can be selected via buttons on the front of the stand, removing the necessity to manually rotate the nosepiece - with the Remote-Control Pad objectives can be switched by simply pressing the buttons. Users can also self-define two of the most frequently used objectives and swap between these two objectives by pressing the green button.

The motorised swing-out condenser automatically swings the top lens element in or out according to the objective lens that is selected via the intelligent linking system. The optional epi-fluorescence system features high quality filter blocks and filter lenses. Six filter blocks can be fitted into the epi-fluorescence attachment, allowing the operator to view different fluorophores without the necessity to change filter blocks.

## Specifications

Cat. No.	3200.9300LED
Optical Head	Ergonomic tilting trinocular with photo port, adjustable from 0° to 35° 3-position beam splitter; 0:100, 100:0, 80:20
Eyepieces	10x / 22 mm super widefield
Turret Format	Sextuple
Siendentopf	Yes (47 to 78 mm interpupillary distance)
Dioptrre	Dioptrre adjustment on both eyepiece tubes
Nosepiece	Motorised with remote switching pad on base, nosepiece rotating buttons behind focus knobs
Objectives	4x, 10x, 20x, 40x, 100x (oil) Infinity Corrected N-Plan Achromatic
Objective Type	Infinite
Condenser	Motorised Brightfield Abbe - NA 1.25 with automatic swing-out when 4x objective is selected, focusable and centrable iris diaphragm
Stage Size	Double layer mechanical, 190 x 152 mm with Gorilla Glass insert and slide holder, 78 x 32 mm movement, vernier scale
Focusing	Low position coaxial coarse and fine with stop, fine focus knobs can be swapped, full tension control
Illumination	3W S-LED full Kohler illumination with fly-lens, intensity control and Automatic Illumination System (AIS),
Package	Instruction manual, dust cover and immersion oil (10 ml)
Additional Features	ECO function switches illumination off after 30 minutes non-use, six filter blocks can be fitted into the epi-fluorescence attachment

## Accessories

Cat. No.	Description
3200.0011	Ceiti Vulcan LED Blue and green color, complete set
3200.0012	Ceiti Vulcan LED Fluorescent U filter
3200.0013	Ceiti Vulcan LED Fluorescent V filter
3200.4888	Ceti Vulcan 1x camera mount
9556.5600M	Ceti 5 MP Digi-Pad microscope tablet camera with 9.7 inch 1080P screen, 15 FPS capture/record software, HDMI, Wi-Fi, Bluetooth, x2 USB and TF card expansion
9558.0063	Ceti 6.3 MP digital microscope camera with capture software
9556.5810	Ceti WFHD5C 13.3 inch high resolution HDMI monitor



**Automatic** Illumination System  
and full **Kohler** illumination





# Life Sciences Microscopes - Inverted

## Inverso TC-100/TC100LED Inverted Microscope

The Inverso TC-100 and TC-100LED Inverted microscopes are ideal for the typical life science laboratory conducting cell analysis. Built in a robust format and to a high-quality specification, the TC-100/100LED allows for easy; cell analysis during tissue culture, cell harvesting and fluorescence observation.

The TC100/100LED also encompasses an integrated Phase Contrast system, additional stage attachment and five multi sample stage plates to accommodate different types of sample containers.

### Specifications

Cat. No.	3650.0000M	3660.5000LED
Optical Head	Trinocular, inclined at 45°	
Eyepieces	10x / 22 mm widefield	
Turret Format	Quintuple	
Siendentopt	Yes (53 to 75 mm interpupillary distance)	
Dioptré	Dioptric adjustment on both eyepiece tubes	
Objectives	10x, 25x, 40x LWD Plan Achromatic Objectives, PH10x, PH25x, and PH40x LWD Plan Achromatic	4x, 40x LWD Plan Achromatic Objectives, PH10x, PH20x, PH40x LWD Plan Achromatic
Objective Type	Finite	
Condenser	Brightfield LWD - N.A 0.3: slide annual diaphragm with working distance 72mm (swings across or removable to accommodate tissue culture flasks, roller bottle, cell factory etc), centering device and focusable with rack and pinion height regulation system.	
Stage Size	Built-in mechanical, 220 x 220 mm	Built-in mechanical, 160 x 250 mm, side extension
Focusing	Coaxial coarse and fine, pre-focusing mechanic and tension adjustment ring	
Illumination - transmitted	20W halogen with intensity control	3W LED with intensity control with phase slider
Illumination - reflected	—	
Package	Two spare fuses, one spare bulb, green, yellow, and blue filters and instruction manual	Dust cover, one spare fuse and instruction manual
Additional Features	Five interchangeable stage plates, micro Petri dish, multiple slides and multi-well plate types	

### Accessories

Cat. No.	Description
3157.2055	Ceti Inverso and Triton 0.5x camera mount
3157.2050M	Ceti Triton & Inverso TC-100 1x camera mount
9558.0005	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card
9556.5600M	Ceti 5 MP Digi-Pad microscope tablet camera with 9.7 inch 1080P screen, 15 FPS capture/record software, HDMI, Wi-Fi, Bluetooth, x2 USB and TF card expansion
9558.0063	Ceti 6.3 MP digital microscope camera with capture software
9558.0018	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card



## Epi-fluorescence Model Specifications

Cat. No.	3660.8000M	3700.0000M
<b>Optical Head</b>	Trinocular, inclined at 45°	
<b>Eyepieces</b>	10x / 22 mm widefield	
<b>Turret Format</b>	Quintuple	
<b>Siendentopt</b>	Yes (53 to 75 mm interpupillary distance)	
<b>Dioptré</b>	Dioptric adjustment on both eyepiece tubes	
<b>Objectives</b>	4x, 40x LWD Plan Achromatic Objectives, PH10x, PH20x, PH40x LWD Plan Achromatic	
<b>Objective Type</b>	Finite	
<b>Condenser</b>	Brightfield LWD - N.A 0.3: slide annual diaphragm with working distance 72mm (swings across or removable to accommodate tissue culture flasks, roller bottle, cell factory etc), centering device and focusable with rack and pinion height regulation system.	
<b>Stage Size</b>	Built-in mechanical, 160 x 250 mm, side extension	Built-in mechanical, 205 x 220 mm
<b>Focusing</b>	Coaxial coarse and fine, pre-focusing mechanic and tension adjustment ring	
<b>Illumination - transmitted</b>	3W LED with intensity control with phase slider	30W halogen with intensity control
<b>Illumination - reflected</b>	100W HBO	
<b>Package</b>	Dust cover, two spare fuse, instruction manual, epi-fluorescence block x2 blue and green (max no. blocks x2)	Two spare fuses, one spare bulb, instruction manual, epi-fluorescence block x2 blue and green (max no. blocks x2)
<b>Additional Features</b>	Five interchangeable stage plates, micro petri dish, multiple slides and multi-well plate types, extra epi-fluorescence blocks available.	

# Vertex Inverted Epi-Fluorescence Microscope

The Vertex-FL trinocular inverted microscope is a substantial, superbly engineered microscope that has been specially developed to produce exceptionally high-quality phase contrast and brightfield images of your specimens. The controls are ergonomically positioned and the large stage, with its range of standard accessories, allows you to observe almost all classes of specimens on the microscope.

This inverted microscope features 3W S-LED illumination and Phase Contrast as standard but can also be configured with Hoffman Modulation Contrast (HMC) or 3D Emboss Contrast, both of which can be used with glass or plastic dishes to increase specimen contrast. This makes it suitable for advanced research applications. The included mechanical stage can be fitted with a variety of holders for Petri dishes, slides and well plates and the condenser can be removed to allow the stage to accept larger flasks or cell factories.

An optional photo port is available, along with 1x and 0.5x C-Mount relay lenses. This model also comes with an epi-fluorescence attachment. This can be configured with up to three filter blocks.

## Specifications

Cat. No.	3900.5000M
<b>Optical Head</b>	Trinocular, inclined at 45°, Side mounted camera port (100/0 : 0/100)
<b>Siedentopf</b>	Yes (48 to 75 mm interpupillary distance)
<b>Dioptré</b>	Dioptric adjustment on both eyepiece tubes
<b>Eyepieces</b>	10x/22 mm super widefield
<b>Turret Format</b>	Quintuple
<b>Objectives</b>	4x, 40x LWD Plan Achromatic, PH10x, PH20x, PH40x LWD Plan Achromatic
<b>Objective Type</b>	Finite
<b>Condenser</b>	N.A. 0.3, W.D. 75 mm, without condenser, working distance 187 mm
<b>Stage Size</b>	170 x 250 mm With separate attachable mechanical stage (129 x 80 mm), accepts 5 types of micro-testplate, well clasper and stage clip
<b>Focusing</b>	Coaxial coarse and fine with stop, tension adjustment ring, fine division 1 µm, fine stroke 0.2 mm
<b>Illumination - transmitted</b>	3W S-LED with intensity control with built-in fly-eye lens
<b>Illumination - reflected</b>	100W HBO Wavelengths available 365 nm, 405 nm, 485 nm & 525 nm.
<b>Package</b>	Three filter cubes blue, green and UV filter, two spare fuses, immersion oil (10 ml), soft rubber eyecups, dust cover, and instruction manual
<b>Additional features</b>	<b>Phase System:</b> Condenser with 4x Phase Annular Phase 10x, 20x, 40x Universal Annular Phase Plate <b>Hoffman Phase:</b> Hoffman condenser and 10x, 20x, 40x special objectives <b>Relief 3D Contrast:</b> Emboss contrast 10x, 20x, 40x universal, special emboss contrast Slider <b>Epi-Fluorescence:</b> Filter cubes with noise terminator mechanism with up to 3 epi-fluorescence filter cubes and attachable contrast shield <b>ECO Lighting Function:</b> Light source automatically off in 15 minutes

Controls are **ergonomically** positioned

**10x / 22mm** widefield objectives



## Accessories

Cat. No.	Description
<b>2757.2060M</b>	Ceti Magnum and Versus microscope 0.5x camera mount
<b>2757.2050M</b>	Ceti Magnum and Versus microscope 1x camera mount
<b>9558.0005</b>	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card
<b>9556.5600M</b>	Ceti 5 MP Digi-Pad microscope tablet camera with 9.7 inch 1080P screen, 15 FPS capture/record software, HDMI, Wi-Fi, Bluetooth, x2 USB and TF card expansion
<b>9558.0063</b>	Ceti 6.3 MP digital microscope camera with capture software
<b>9558.0018</b>	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card

# Versus-TC LED Trinocular Inverted Microscope

The Versus is a multifunctional inverted microscope. It has been specially developed to produce exceptionally high quality, high-contrast phase contrast and brightfield images of your specimens. The controls are ergonomically positioned and the large stage, with its range of standard accessories, allows you to observe almost all classes of specimens on the microscope. This microscope is suitable for the observation of cells, tissues, clear liquid tissue.

**Epi-fluorescence model:** Designed to produce high-quality phase contrast and brightfield images of specimens, combining the features of both an epi-fluorescent and an inverted microscope. This versatile microscope is well-suited to a range of applications, including fluorescence microscopy in biological research, pharmaceutical studies, medical diagnostics, and disease prevention.

## Specifications

Cat. No.	3660.4000M	3800.0000M
<b>Optical Head</b>	Trinocular, inclined at 45°	
<b>Siedentopf</b>	Yes (48 to 75 mm interpupillary distance)	Yes (53 to 75 mm interpupillary distance)
<b>Dioptré</b>	Dioptric adjustment on both eyepiece tubes	
<b>Eyepieces</b>	10x/22 mm super widefield	
<b>Turret Format</b>	Sextuple	
<b>Objectives</b>	10x LWD Plan Achromatic, PH10x, PH20x, PH40x LWD Plan Achromatic	10x, 20x 40x LWD Plan Achromatic PH10x, PH20x, PH40x LWD Plan Achromatic
<b>Objective Type</b>	Infinite	
<b>Condenser</b>	Iris diaphragm, working distance: 70 mm	Iris diaphragm, working distance: 55 mm
<b>Stage Size</b>	300 x 170 mm, with additional mechanical stage, Two interchangeable stage plates and culture dish holder	227 x 208 mm, with additional mechanical stage, Three interchangeable culture dish holders, 118 mm glass stage plate
<b>Focusing</b>	Coaxial coarse and fine with stop, tension adjustment ring	Coaxial coarse and fine, pre-focusing mechanic and tension adjustment ring
<b>Illumination - transmitted</b>	3W LED	30W halogen
<b>Illumination - reflected</b>	—	Mercury 100W/DC ultra-high power lamp house with separate power supply unit with count down timer
<b>Package</b>	Blue and green filter, two spare fuses, immersion oil (10 ml), Allen key, dust cover, and instruction manual	One spare bulb, two spare fuses, dust cover, and instruction manual
<b>Additional Features</b>	—	Epi-Fluorescence block x2 blue and green (max no. blocks x4), vertical photo/video port with beam-splitting prism on sliding mount (80-20%).

## Accessories

Cat. No.	Description
<b>2757.2060M</b>	Ceti Magnum and Versus microscope 0.5x camera mount
<b>2757.2050M</b>	Ceti Magnum and Versus microscope 1x camera mount
<b>9558.0005</b>	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card
<b>9556.5600M</b>	Ceti 5 MP Digi-Pad microscope tablet camera with 9.7 inch 1080P screen, 15 FPS capture/record software, HDMI, Wi-Fi, Bluetooth, x2 USB and TF card expansion
<b>9558.0063</b>	Ceti 6.3 MP digital microscope camera with capture software

Controls are  
**Ergonomically positioned**



# Industry and Material Sciences Microscopes

## Magtex Trinocular Compound Microscope

The Magtex is a research grade compound microscope that has been specially developed to produce exceptionally high-quality images using both transmitted and reflected light to enable the examination of both translucent and opaque materials.

The Magtex is ideally suited for biological, geological and engineering applications. With its precision optics and robust design, this industrial and biological microscope is the perfect solution for laboratory applications in the industrial sector that need to capture excellent images.

The model with polarisation comes complete with Bertrand lens and Lambda compensating plates for optimised imaging.

### Specifications

Cat. No.	2763.0000M	2783.0000M
<b>Optical Head</b>	Trinocular, inclined at 30°	
<b>Siedentopf</b>	Yes (53 to 75 mm interpupillary distance)	
<b>Dioptré</b>	Dioptric adjustment on one eyepiece tube	
<b>Eyepieces</b>	10x / 18 mm widefield	
<b>Turret Format</b>	Quintuple	
<b>Objectives</b>	5x, 10x, 20x and 50x Plan Achromatic	4x, 10x, 40x, 60x Plan Achromatic
<b>Objective Type</b>	Finite	
<b>Condenser</b>	Brightfield Abbe - NA 1.25, Pre-condenser with field and Iris Diaphragm, filter holder, centering device and focusable with rack and pinion height adjustment system	
<b>Stage Size</b>	Built-in mechanical, 210 x 140 mm with slide clip	Polarisation stage, 180 mm round Centrable and rotating 360°
<b>Focusing</b>	Coaxial coarse and fine, pre-focusing mechanic and tension adjustment ring	
<b>Illumination - transmitted</b>	20W halogen, full Köhler illumination	
<b>Illumination - reflected</b>	20W halogen	
<b>Package</b>	Blue, green, and yellow filters	
<b>Additional Features</b>	—	Polariser and analyser (tension free and pre-centred - CCS optics)

### Accessories

Cat. No.	Description
<b>2757.2060M</b>	Ceti Magnum and Versus microscope 0.5x camera mount
<b>2757.2050M</b>	Ceti Magnum and Versus microscope 1x camera mount
<b>9558.0005</b>	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card
<b>9556.5600M</b>	Ceti 5 MP Digi-Pad microscope tablet camera with 9.7 inch 1080P screen, 15 FPS capture/record software, HDMI, Wi-Fi, Bluetooth, x2 USB and TF card expansion
<b>9558.0063</b>	Ceti 6.3 MP digital microscope camera with capture software
<b>9558.0018</b>	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card



Transmitted and reflected light  
for **application flexibility**

Full **Köhler** illumination



# Ferox Trinocular Compound Materials Microscope

The Ferox Trinocular Inverted Materials microscope is ideal for geological and engineering applications. The open stage ensures that there are no height or size limitations on the subject material. The rear facing external lamp housing protects both subject and user from adverse heating effects.

## Specifications

Cat. No.	6322.0000M
Optical Head	Trinocular, inclined at 30° with vertical photo port
Siedentopf	Yes (53 to 57 mm interpupillary distance)
Dioptré	Dioptric adjustment on one eyepiece tube
Eyepieces	10x/18 mm widefield
Turret Format	Quadruple
Objectives	10x, 20x, 40x, 100x oil, 10x, 25x, 40x, 60x optional
Objective Type	Finite
Converter	Built in low voltage (6V) with light intensity control
Stage Size	Built-in mechanical stage, 150 x 180 mm
Focusing	Coaxial coarse and fine, pre-focusing mechanic and tension adjustment ring
Illumination - transmitted	20W halogen
Package	Blue, green, and yellow filters, one spare bulb, one spare fuse, one stage clamp, dust cover, and instruction manual
Additional features	Includes simple polariser and analyser

## Accessories

Cat. No.	Description
9554.9999	Ceti eyepiece adapter for microscope cameras
9558.0005	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card
9556.5600M	Ceti 5 MP Digi-Pad microscope tablet camera with 9.7 inch 1080P screen, 15 FPS capture/record software, HDMI, Wi-Fi, Bluetooth, x2 USB and TF card expansion
9558.0063	Ceti 6.3 MP digital microscope camera with capture software
9558.0018	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card

**Open stage** - ideal for  
larger / taller specimens



# Reflex Trinocular Compound Materials Microscope

The Reflex Trinocular Microscope has a vertical viewing port, beam splitting prism and an external lamp housing. The flat mechanical stage allows for observation of prepared subject matters with magnifications up to 1600x.

## Specifications

Cat. No.	6400.0000M
Optical Head	Trinocular, inclined at 30° with vertical photo port
Siedentopf	Yes (55 to 75 mm interpupillary distance)
Dioptré	Dioptric adjustment on one eyepiece tube
Eyepieces	10x/18 mm widefield
Turret Format	Quadruple
Objectives	10x, 40x, 60x Plan Achromatic
Objective Type	Finite
Stage Size	Built-in mechanical stage, 140 x 185 mm
Focusing	Coaxial coarse and fine, pre-focusing mechanic and tension adjustment ring
Illumination - transmitted	20W Halogen, Reflected Koehler illumination (external housing) with focusable front lens, field and iris diaphragm for reflected light
Package	Green, blue, yellow and frosted filters, one spare bulb, two spare fuses, dust cover, and instruction manual
Additional features	Built-in polariser with removable analyser

## Accessories

Cat. No.	Description
2757.2060M	Ceti Magnum and Versus microscope 0.5x camera mount
2757.2050M	Ceti Magnum and Versus microscope 1x camera mount
9558.0005	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card
9556.5600M	Ceti 5 MP Digi-Pad microscope tablet camera with 9.7 inch 1080P screen, 15 FPS capture/record software, HDMI, Wi-Fi, Bluetooth, x2 USB and TF card expansion
9558.0063	Ceti 6.3 MP digital microscope camera with capture software
9558.0018	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card

**Vertical viewing port** and  
beam splitting prism with  
external lamp housing.



# Stereo Microscopes

## Star-24 Binocular Stereo Microscope

The Star-24 LED stereo microscope is a stereo microscope with dual magnification which is designed for both educational and professional use. It is particularly well suited to viewing specimens at low magnifications and introduces the benefits of LED lighting into the stereo range of microscopes.

The diamond shaped base with sloping sides provides an ergonomic hand rest during sample manipulation to ensure control and minimise the possibility of damage occurring.

### Specifications

Cat. No.	1800.1000M	1900.1000M
Optical Head	Binocular, inclined at 45° and 360° (rotatable)	
Siedentopf	Yes (50 to 75 mm interpupillary distance)	
Dioptré	Dioptric correction on one eyepiece tube	
Magnification	20x and 40x with turret changer	10x and 30x with turret changer
Eyepieces	10x / 20 mm widefield	
Turret Format	Double	
Objectives	x20 and x40 Plan Achromatic	x10 and x30 Plan Achromatic
Objective Type	Finite	
Stage Size	Frosted and black / white contrast plates, 2 stage clips	
Focusing	Rack and pinion system with safety stop	
Illumination - transmitted	3W LED with intensity control	
Illumination - reflected	3W LED with intensity control	
Package	Dust cover, and instruction manual	
Additional Features	Additional light sources can be added	

### Accessories

Cat. No.	Description
7063.1502	Ceti 150W cold light source illuminator with metal housing
7063.1555	Ceti 150W fibre optic illuminator

**Ergonomic base** with sloping sides

**Dual LED** illumination





# Steddy Stereo Zoom Microscope

These versatile stereo zoom microscopes are an excellent, professional-grade instrument choice for industry, researchers and educational establishments. A popular microscope providing high quality, wide field of view images, a wide zoom range and dual LED illumination.

The Steddy stereoscopic zoom microscope is highly robust and extremely well built, suitable for the most demanding uses. The optical quality is extremely good giving a bright, crisp 3D image of the specimen. The diamond shaped base is the best option for teaching laboratories (to allow for storage of large numbers of microscopes) or where space is limited. Trinocular models have a photo port to allow the connection of a digital camera to capture images or video.

The diamond shaped base allows the hands to be rested on the base of the unit providing the necessary support for delicate operation or manipulation of the sample during examination. The broad base model is ideal for larger samples.

The Steddy-D features a convenient, in-built 3MP digital camera to capture images or videos, great for teaching laboratories.

## Specifications

Cat. No.	7500.0000M	7500.9000M	7600.0000M
	Steddy-T	Steddy-D	Steddy-BR
<b>Optical Head</b>	Trinocular, inclined at 45° with photo port	Binocular, inclined at 45°, integrated camera	Trinocular, inclined at 45° with photo port
<b>Siedentopf</b>	Yes (55 to 75 mm interpupillary distance)		
<b>Dioptré</b>	Dioptric adjustment on both eyepiece tubes		
<b>Eyepieces</b>	10x / 22 mm super widefield		
<b>Turret Format</b>	Single		
<b>Objectives</b>	6.7x - 45x Plan Achromatic		
<b>Objective Type</b>	Finite		
<b>Stage Size</b>	Rectangular support with dual coarse focus knobs and tension control		
<b>Focusing</b>	Coaxial coarse with safety stop and tension adjustment		
<b>Illumination - transmitted</b>	5W LED		
<b>Illumination - reflected</b>	8W LED		
<b>Special Features</b>	Diamond base, alternative eyepiece objectives can achieve 3.35x to 180x magnification if required	Diamond base integrated 3MP camera, with auxiliary objectives and/or alternative eyepieces, 3.35x to 180x	Broad Base, with auxiliary objectives and/or alternative eyepieces, 3.35x to 180x
<b>Package</b>	Dust cover, two rubber eye cups, blue filter and instruction manual	Dust cover, two rubber eye cups, blue filter and instruction manual. Software CD supplied for camera	Dust cover, two rubber eye cups, blue filter and instruction manual
<b>Additional Features</b>	Cold light sources can be added		

**Highly robust** design

**Dual LED** illumination



## Accessories

Cat. No.	Description
<b>7357.1111</b>	Ceti Steddy microscope 1x camera mount
<b>9558.0005</b>	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card
<b>9556.5600M</b>	Ceti 5 MP Digi-Pad microscope tablet camera with 9.7 inch 1080P screen, 15 FPS capture/record Software, HDMI, Wi-Fi, Bluetooth, x2 USB and TF card expansion
<b>9558.0063</b>	Ceti 6.3 MP digital microscope camera with capture software
<b>7063.1502</b>	Ceti 150W cold light source illuminator with metal housing
<b>7063.1555</b>	Ceti 150W fibre optic illuminator
<b>9558.0018</b>	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card

# Varizoom Stereo Zoom Microscope

The Varizoom is a stereoscopic microscope with parallel infinity optics and an optical zoom system. Three zoom ranges are available with binocular eyepiece tubes. A sturdy, rectangular focusing mount enables stability whilst zooming and focusing, and the broad stand provides a comfortable base when manipulating samples.

Integrated, directional episcopic LED lighting brightly illuminates the sample without the need for awkward goose neck light guides and the transmitted LED lighting provides cool lighting, especially important when working with biological or heat-sensitive samples. Separate intensity controls are located at the rear of the stand, so they do not encroach into the working area and the broad, flat base is designed to enable comfortable working.

The fluorescent version allows observation of living cells and is widely used in biology, industrial inspection and forensics specifically for inspection of security printing and mineral research. Trinocular beam splitters can be added to the microscope for camera attachment image capture and image recording functions.

## Specifications

Cat. No.	7700.0006	7700.0008	7700.0000M	7700.8000M
	Varizoom-6	Varizoom-8	Varizoom-10	Varizoom-Fluorescence
Optical Head	Binocular, inclined at 20° and rotatable			
Siedentopf	Yes (55 to 75 mm interpupillary distance)			
Dioptré	Dioptric adjustment on both eyepiece tubes			
Eyepieces	10x / 22 mm super widefield			
Turret Format	Single			
Magnification	8x to 48x	8x to 64x	8x to 80x	8x to 64x
Objectives	8x - 48x Plan Achromatic with working range: 78 mm			
Objective Type	Finite			
Stage Size	Frosted plus black / white contrast plates. 2 stage clips			
Focusing	Rectangular support with dual coarse focus knobs zoom system, rack and pinion system with safety stop			
Illumination - transmitted	5W LED with intensity control			
Illumination - reflected	5W LED with intensity control			
Package	Two rubber eyecups, dust cover, instruction manual, and blue filter			
Additional Features	Magnification zoom range can be increased with different eyepiece objectives to 4x to 192x, additional cold light sources, 4x to 320x			100W ultra high voltage spherical mercury lamp with GFP and GFP-L filters

## Accessories

Cat. No.	Description
7700.2343	Ceti Trinocular beam splitter for Ceti Varizoom microscopes
7700.2345	Ceti Varizoom microscope 1x camera mount
9558.0005	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card
9556.5600M	Ceti 5 MP Digi-Pad microscope tablet camera with 9.7 inch 1080P screen, 15 FPS capture/record Software, HDMI, Wi-Fi, Bluetooth, x2 USB and TF card expansion
9558.0063	Ceti 6.3 MP digital microscope camera with capture software
7700.9909	LED Florescence Module for Varizoom
7700.4000M	Polarisation set Varizoom
7700.5207	Darkfield attachment for Varizoom
9558.0018	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card

Integrated, directional  
episcopic **LED lighting**

**Broad, flat** base



# Microscope Cameras

## Ceti 5 MP Digi-Pad Microscope Tablet Camera

Specially designed for microscopy applications. It comes with a high-definition 9.7 inch colour LCD screen and is equipped with software that allows the user to capture images/videos, preview images, set the white balance, sharpness, colour, flip images, mirror images as well as having measurement and annotation capabilities. This modern CMOS microscope camera has an integral C-mount fitting, which can be connected to any microscope with a corresponding C-Mount or eyepiece adapter.

### Specifications

System	
Screen/Panel	Panasonic IPS LCD screen (Super TFT)
Input Video Format	HDMI
Native Resolution	1920 x 1080
Display Type	16.9 Ratio, 11.6 Active Matrix Super TFT LCD
Typical Contrast Ratio	1000:1
Colours	16.7 million
Frames per Second (FPS)	15 FPS (Resolution) 2048 x 1536
Viewing Angle (L/R/U/D)	IPS full view
Display	
9.7 " Active Colour Touch Screen Display W x H (mm)	258 x 145
Pixel Pitch; W x H (mm)	0.134 x 0.134
Brightness	350cd/sq. m
Backlight	LED backlight; 50,000 hours
Operation	
Temperature (°C)	-15 to +55
Operating Humidity (%RH)	10 to 90
Storage Humidity (%RH)	5 to 90
Synchronization Range	30 – 80 KHz horizontal, 55 – 75 KHz vertical
Power Supply	AC 110V – 220V/DC12V/1A
Power Consumption	Max. 12W
Other Features	
Storage	External TF memory card – up to 32GB (not provided), ROM 2GB, RAM 1GB DDR3
Network	Wi-Fi and Bluetooth 4.0
Input/Output	Micro HDMI Output, DC5V power, SD memory card slot, x2 USB2 supporting USB drive for saving/ uploading images or for USB keyboard and mouse.
Operating System and Software	Android and S-Eye built in imaging software
Dimensions; L x H x W (mm)	281 x 179 x 15.6
Weight (Kg):	0.6

Cat. No.	Description
9556.5600M	Ceti 5 MP Digi-Pad microscope tablet camera with 9.7 inch 1080P screen, 15 FPS capture/record Software, HDMI, Wi-Fi, Bluetooth, x2 USB and TF card expansion



# Ceti WFHD5C 5 MP Microscope Camera with HDMI, Wi-Fi and SD Card (Fluorescence Compatible)

An all-in-one (HDMI + WiFi + SD Card) C-mount camera with a highly sensitive CMOS sensor, simultaneous HDMI & Wi-Fi output, mouse control and built-in image capture and video recording to an SD card. When using the optional 13.3 monitor, there is a built-in toolbar including zoom, mirror, comparison and freeze functions. For use with a device other than the monitor, PC, Linux and MAC IOS software is included.

This multiple interface microscope camera utilises an ultra-high performance Sony CMOS sensor as the image capture device. HDMI and WiFi are used as the data transfer interface to an HDMI display or computer / laptop, with USB connection also available to a PC. If an HDMI connection is used, the included USB mouse can be used to control the camera, browse and compare the captured image, play video and play back images. For WiFi output, unplug the mouse and plug in the USB WiFi adapter and connect your device's WiFi to the camera. The image stream can then be transferred to the device via the advanced software (included). With this software you can control the camera and process the image as required. The camera body, made from tough aluminium alloy, ensures a heavy-duty, workhorse solution. The camera is equipped with a high-quality IR-CUT filter to protect the camera sensor. This camera is suitable for fluorescence work and a touch screen model can be manufactured upon request.

## Specifications

Cat. No. 9558.0005	
Basic Performance	
Sensor	1/2.5"
Effective Pixel	5
Screen	9.7", resolution 2048 x 1536@15Fps retina screen
Pixel Size	2.2 $\mu\text{m}$ x 2.2 $\mu\text{m}$
Frames per Second (FPS)	15 FPS (Resolution) 1024 x 768
Function	
Basic	Brightness, contrast, saturation, white balance
Image Adjustment	Exposure, sharpness, gamma, colour temperature
Camera	Mirror, flip
Interface	Support mouse and touch control
Image/Video Support	16M image capture, support 1080P video
Storage	Image capture, Video, Preview, SD card formatting
Labelling	Point coordinates, cross lines, coordinate systems, text annotations
Length Measurement	Line length, Broken line length, Curve length, Parallel lines distance, Point line distance
Geometric Measurement	Line length, radius defining circle, two point defining circle, three point defining circle, concentric circles
Geometric Area	Polygon, square
Measurement System	Built in S-EYE Package
Other Features	
Operation System	Android 5.1.1 version
Output	USB2.0, HDMI, WIFI, SD card
Wi-Fi	2.4GHz/5GHz dual bands WIFI support 802.11a/b/g/n/ac protocol
Bluetooth	Bluetooth 4.0
Dimensions	238x51x206 mm
Weight	0.6 kg
Power	DC-12V/2A





# Ceti D6.3 MP Digital Microscope Camera with Capture Software

High Performance CMOS Cameras with Digital Clarity™ sensor technology ensures delivery of highest quality, crystal clear images at all times. Capture Software is a USB 3.0, 6.3 megapixel C-mount microscope camera that utilises an ultra-high performance SONY Exmor CMOS sensor as the image capture device. The included 12-bit software has processing controls for demosaic adjustments, automatic exposure, gain adjustment, one-click white balance, chrominance adjustment, saturation adjustment, gamma correction, luminance adjustment and contrast adjustment. The camera is designed for high-quality images and video capture in brightfield microscopy applications. It will also cope well with medium to high signal fluorescence applications.

## Specifications

<b>Cat. No.</b>	<b>9558.0063</b>
<b>Basic Performance</b>	
<b>Spectral Range</b>	380-650nm (with IR-cut filter)
<b>White Balance</b>	ROI white balance/ manual temp tint adjustment/NA for monochromatic sensor
<b>Colour Technique</b>	Ultra-fine colour engine/NA for monochromatic sensor
<b>Capture/Control SDK</b>	Windows/Linux/macOS/Android Multiple Platform SDK(Native C/C++, C#/VB.NET, Python, Java, DirectShow, Twain, etc)
<b>ADC</b>	8 Bit / 12 Bit
<b>Recording System</b>	Still picture and movie
<b>Cooling System*</b>	Two-stage TE-cooling system -45 °C below camera body temperature operating environment
<b>Frames per Second (FPS)</b>	30 FPS (Resolution) 3072 x 2048; 38 FPS (Resolution) 1536 x 1024
<b>Conditions</b>	
<b>Operating Temperature</b>	-10 to 50 °C
<b>Storage Temperature</b>	-20 to 60 °C
<b>Operating Humidity</b>	30 to 80%RH
<b>Storage Humidity</b>	10 to 60%RH
<b>Other Features</b>	
<b>Operating System</b>	Microsoft® Windows® XP / Vista / 7 / 8 /10 /11 (32 & 64 bit) OSx(Mac OS X) Linux
<b>PC Requirements CPU</b>	Equal to Intel Core2 2.8GHz or higher memory: 2GB or more USB Port: USB3.0 high-speed port Display: 17" or Larger CD-ROM
<b>Power Supply</b>	DC 5V over PC USB port External power adapter for cooling system, DC12V, 3A



# Ceti D18 18 MP Digital Microscope Camera with Capture Software

The Ceti D18 18 MP Digital Microscope Camera is a USB 3.0 C-Mount device that utilises an ultra-high performance Aptina CMOS sensor as the image capture device.

This digital microscope camera comes with advanced video and image processing software, allowing capture and output on Windows, Linux and Mac OSX platforms. Video can be captured at 1080P resolution at up to 30fps.

The included 12-bit software has processing controls for demosaic adjustments, automatic exposure, gain adjustment, one click white balance, chrominance adjustment, saturation adjustment, gamma correction, luminance adjustment and contrast adjustment.

The camera is designed for use with brightfield applications and is ideal if high resolution, large-scale prints (such as presentation posters) are required.

## Specifications

<b>Cat. No.</b>	<b>9558.0018</b>
<b>Basic Performance</b>	
<b>Sensor &amp; Size</b>	18M/AR1820(C); 6.14 x 4.61µm
<b>Pixel Size (µm)</b>	1.25 x 1.25
<b>Dynamic Range (dB)</b>	65.8
<b>SN Ratio (dB)</b>	36.3
<b>Frames per Second (FPS)</b>	13.1 FPS (Resolution) 4912 x 3684; 34.3 FPS (Resolution) 2456 x 1842; 54.4 FPS (Resolution) 1228 x 922
<b>Binning</b>	1 x 1, 2 x 2 and 4 x 4
<b>Exposure</b>	0.1ms~2s
<b>White Balance</b>	ROI White Balance/Manual Temp Tint Adjustment/NA for Monochromatic Sensor
<b>Recording System</b>	Still Image and Movie
<b>Cooling System</b>	None
<b>Conditions</b>	
<b>Operating Temperature (°C)</b>	-10 to +50
<b>Storage Temperature (°C)</b>	-20 to +60
<b>Operating Humidity (%RH)</b>	30 to 80
<b>Storage Humidity (%RH)</b>	10 to 60
<b>Other Features</b>	
<b>Power Supply</b>	USB port
<b>Operating System</b>	Microsoft® Windows® XP/Vista/7/8/10 (32 & 64 bit), Mac OS X, Linux
<b>PC Requirements</b>	CPU: Equal to Intel Core 2 2.8GHz or higher; Memory: 2GB or more; USB Port: USB 3.0 High-Speed; CD-ROM



# Ceti WFHD5C 13.3 inch High Resolution HDMI Monitor

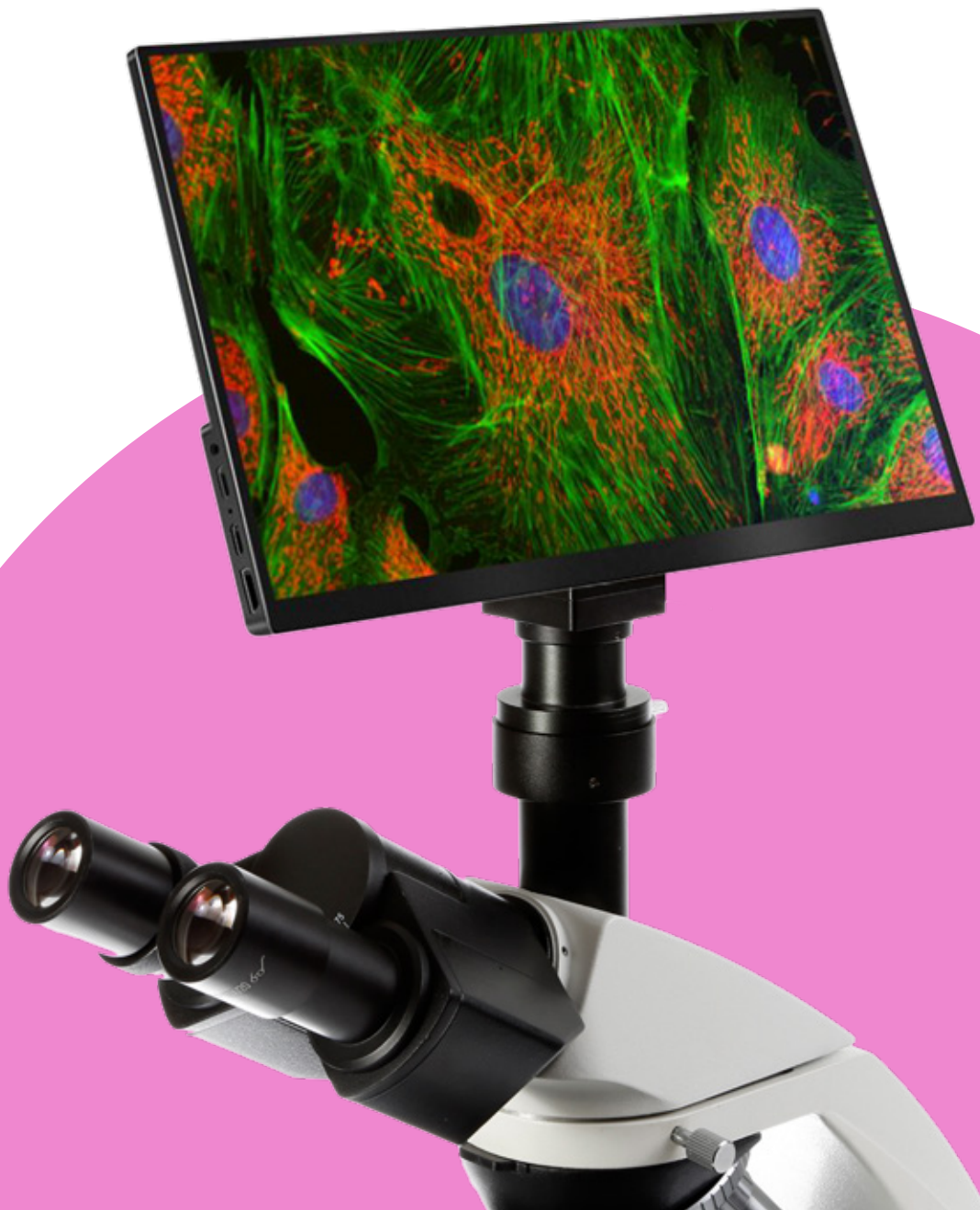
Monitor adopts IPS LCD panel (Super TFT) to guarantee the wide view angle and high contrast. Together with the Ceti WFHD5C HDMI camera, it offers outstanding performance and reaches fast frame rate and excellent colour especially for fluorescence applications (16.7 million colours). The monitor offers 13.3-inch active area, 178° wide viewing angle, HDR dynamic image enhancement, 400cd/m<sup>2</sup> display brightness, high contrast ratio up to 1000:1. Its 4mm narrow frame design on three sides allows for a 90% screen area, creating a great visual experience.

No delay is felt with 3ms response, and dynamic definition is optimized to keep the picture stable and clear without residual shadow. Connect to a computer to realize screen projection, splitting and expansion. The Monitor also features and integrated invisible folding support allowing for easy viewing angle adjustment or for use when the camera is side mounted to a microscope.

## Specifications

<b>Cat. No.</b>	<b>9556.5810M</b>
<b>Basic Performance</b>	
<b>LCD Panel</b>	IPS LCD Screen(Super TFT)
<b>Input Video Format</b>	HDMI
<b>Native Resolution</b>	1920 x 1080
<b>Display Type</b>	16:9 Ratio 13.3 inch Active Matrix Super TFT LCD
<b>Typical Contrast Ratio</b>	1000:1
<b>Colors</b>	16.7 Million
<b>Viewing Angle(L/R/U/D)</b>	IPS full view (178°)
<b>Active Display Area</b>	295 mm(W) x 165 mm(H)
<b>Pixel Pitch</b>	0.154(W) x 0.154(H) mm
<b>Refresh Rate</b>	60Hz
<b>Brightness</b>	400cd/m <sup>2</sup>
<b>Backlight</b>	LED Backlight, 50000 hours
<b>Outline Parameter</b>	
<b>Colour</b>	Black
<b>Dimension</b>	L x H x D: 306x183x8 mm
<b>Weight</b>	450 g
<b>Operating Environment</b>	
<b>Operating Temperature</b>	-15°~55°
<b>Humidity Non Condensing</b>	Operating: 10%-90%, storage: 5%-90%
<b>Synchronization Range</b>	30-80KHz horizontal, 55-75Hz vertical
<b>Power Supply</b>	AC110V-220V /DC5~12V(1A ) (Type C)








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