

## **DIGITAL MICROSCOPES**

LCD DIGITAL MICROSCOPE Representing a true breakthrough in microscope technology, this innovative biological design replaces the traditional eyepiece with an LCD screen for easy and comfortable viewing - great for individuals and small groups. Featuring a built-in digital camera that captures images and short videos, our LCD Digital is perfectly suited for examining specimen slides (ex. yeasts and molds, cultures, plant and animal parts, fibers, bacteria, etc.).

#### STANDARD FEATURES INCLUDE:

- + Power 40x to 400x. 1600x power with digital zoom
- + 3.5" (88 mm) LCD screen with 4x digital zoom
- + Built-in digital camera 2MP
- + 4x, 10x, and 40x Objective lenses
- + Six position color filter wheel
- + Top and bottom LED illumination with adjustable brightness
- + Mechanical stage 3.5" x 3.5" (88 mm x 88 mm)
- + 512 MB Internal storage memory
- + Sensor 1/2" with 1600 x 1200 pixels
- + AC Adaptor Universal 110 to 240-volts with multi-plugs for virtual worldwide usage



- + SD card slot
- + USB cable for transferring images to a PC
- + Carrying case included
- + Five prepared slides MODEL #44340



#### DIGITAL MICROSCOPE KIT It's your choice -

use our multi-purpose microscope as a traditional biological microscope with powers up to 600x or attach the supplied digital camera to view directly onto your computer. Either way, it's the perfect tool for discovering and learning about the world we can't see. We've even included the software that allows you to save your digital images and videos to your computer. The perfect kit to enter the digital space!

#### STANDARD FEATURES INCLUDE:

- + Optical power 40x to 600x and digital powers up to 2000x
- + Zoom eyepiece from 10x to 20x
- + Digital camera with attached USB cable
- + Imaging software included on CD-ROM for Windows based operating systems (XP, Vista, 7)
- + 4x, 15x, 30x Objective lenses
- + Top and bottom LED electric illumination
- + Three prepared slides, rocks and honeybee wing Note: Although software that comes with this microscope is Windows only, the device itself is compatible with most MACs.

To use on the MAC you'll need 3rd party photo capture software. MODEL #44320

# **DIGITAL MICROSCOPES**

#### DELUXE LCD DIGITAL MICROSCOPE

Deluxe LCD Digital Microscope is our innovative, award-winning model where we introduce for the first time ever a biological digital LCD microscope with a 3.5" touch screen panel that also rotates 180° for sharing the view on the screen. Included is a built-in digital camera so you can take snapshots or video using the built-in flash memory, or use an optional SD card and upload your images later to your computer. Plus, our deluxe model includes a 6-volt internal battery compartment for field usage, top and bottom LED adjustable illumination, dual focusing, universal AC adapter, and more. This is digital microscope technology at its very best!

- + Power 40x to 1600x
- + 3.5" TFT touch screen panel rotatable 180° horizontally
- + Built-in digital camera 2 MP snapshots and video
- + 4x/10x/20x/40x Objective lenses
- + 4x Digital zoom
- + Top and bottom adjustable LED illumination
- + Mechanical stage 3.5" x 3.5" (88 mm x 88 mm)
- + 6-Volt (4 AA user supplied batteries) internal battery compartment for field use



- #44345
- + USB 2.0 Cable (used to upload images to a computer)
- + AC adapter Universal 110 to 240-volts with multi-plugs for virtual worldwide usage
- + Dual focus (coarse and fine)
- + 1GB Internal memory
- + Sensor 1/2" with 1600 x 1200 pixels
- + SD card slot (uses optional SD Cards up to 4GB)
- + Carrying case
- + Seven prepared slides MODEL#44345



# **DIGITAL MICROSCOPES**

**AMOEBA™** This dual purpose microscope is perfect for high powered specimen slide viewing or you can quickly set Amoeba to a lower power to view stamps, currency and more. You can even detach Amoeba's tube for convenient handheld digital viewing of large objects. With its built in 1.3 MP digital camera, Amoeba allows you to easily snap photos or video and upload to your computer to save, send and share with anyone!

#### STANDARD FEATURES INCLUDE:

- + Power 10x, 60x and 200x
- + 1.3 MP Built-in digital camera
- + Top and bottom LED illumination
- + 82 mm (3.2") Diameter
- + Coarse focus with dual knobs
- + USB 2.0 cable
- + ULead photo software
- + Includes 8 prepared slides, 4 blank slides, tweezers, needle probe, eyedropper MODEL #44325, #44326



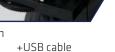
#44325

#44326



**PENTAVIEW™** PentaView LCD Digital Microscope allows you to view the microscopic world and snap, store and share your discoveries quickly and easily. Featuring a large, rotatable LCD touch screen designed with easy comfortable viewing in mind and a built-in digital camera to capture images and video, PentaView offers a whole new way to explore science!

- + Power 40x to 2400x
- + 4.3" LCD touch screen
- + 5 MP Built-in digital camera
- + 4x/10x/20x/40x/60x Objective lenses
- + Top & bottom LED illumination
- + 180° Rotatable head
- + Mechanical stage
- + Dual focus (coarse and fine)
- + Filter wheel/diaphragm
- + AV/TV function with cable
- + Optional battery operation
- + 4 GB SD card
- + AC Adaptor Universal 110 to 240-volts with multi-plugs for virtual worldwide usage MODEL #44348



- + 10 Prepared slides

# **HANDHELD DIGITAL MICROSCOPES**

#### HANDHELD DIGITAL MICROSCOPE

This handheld beauty features a sleek, innovative design that allows you to view specimens or objects on a computer screen as well as take snapshot images or short videos. Its rugged, metal stand is included for holding the microscope steady at various positions for viewing and/or imaging. Our most popular handheld microscope is ideally suited for examining objects like coins, stamps, rocks, relics, insects, plants, gems, circuit boards, various materials, skin, and many other objects; and of course, examining specimen slides at low and high powers.

#### STANDARD FEATURES INCLUDE:

- + Power 10x to 40x, and 150x
- + Built-in 1.3 MP digital camera
- + LED illumination
- + Metal stand holds microscope steady
- + Powered by USB 2.0 cable
- + Photo management software and basic measurement function
- + Size 4.25" (108 mm) x 1.25" (32 mm)

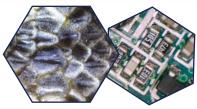
Note: Although software that comes with this microscope is Windows only, the device itself is compatible with most MACs.

To use on the MAC you'll need 3rd party photo capture software.

MODEL: #44302-A / #44302-B







#### PORTABLE LCD DIGITAL MICROSCOPE

This battery powered microscope features an onboard 2.4" LCD screen for viewing objects anywhere. Its built-in digital camera (3 MP) allows you to take images or video and save them to the 128 MB internal flash memory or an optional SD Card. Simple button and menu navigation make this microscope a breeze to use! Great for viewing or capturing objects such as insects, plants, stamps, coins, rocks, currency, relics, circuit boards, and more.

#### STANDARD FEATURES INCLUDE:

- + Power 1x to 3.7x and 54x
- + 2.4" LCD screen panel
- + Built-in 3mp digital camera for still images & video
- + 4x Digital zoom
- + Adjustable LED illumination
- + 128 MB Internal flash memory
- + SD Card slot (optional SD card up to 16 GB)
- + USB 2.0 cable to upload images to a computer
- + Powered by 2 AA batteries (user supplied)
- + Carrying pouch

MODEL #44310 / #44311

# HANDHELD DIGITAL MICROSCOPES

#### MINI HANDHELD DIGITAL MICROSCOPE

Perfect for teens and adults, the Mini Handheld Digital Microscope is a fun educational tool and well suited for hobbyists, industrial Q.C. and inspection, medical and science applications. Examine objects such as coins, stamps, rocks gems, relics, insects, plants, skin, circuit boards, and various materials.

#### STANDARD FEATURES INCLUDE:

- + Power 15x to 30x
- + Built-in 1.3 MP digital camera for images and videos
- + LED illumination
- + Powered by a 2.0 USB cable
- + CD-ROM Software for basic image capture and organization as well as simple measurement function (on Windows based operating systems)

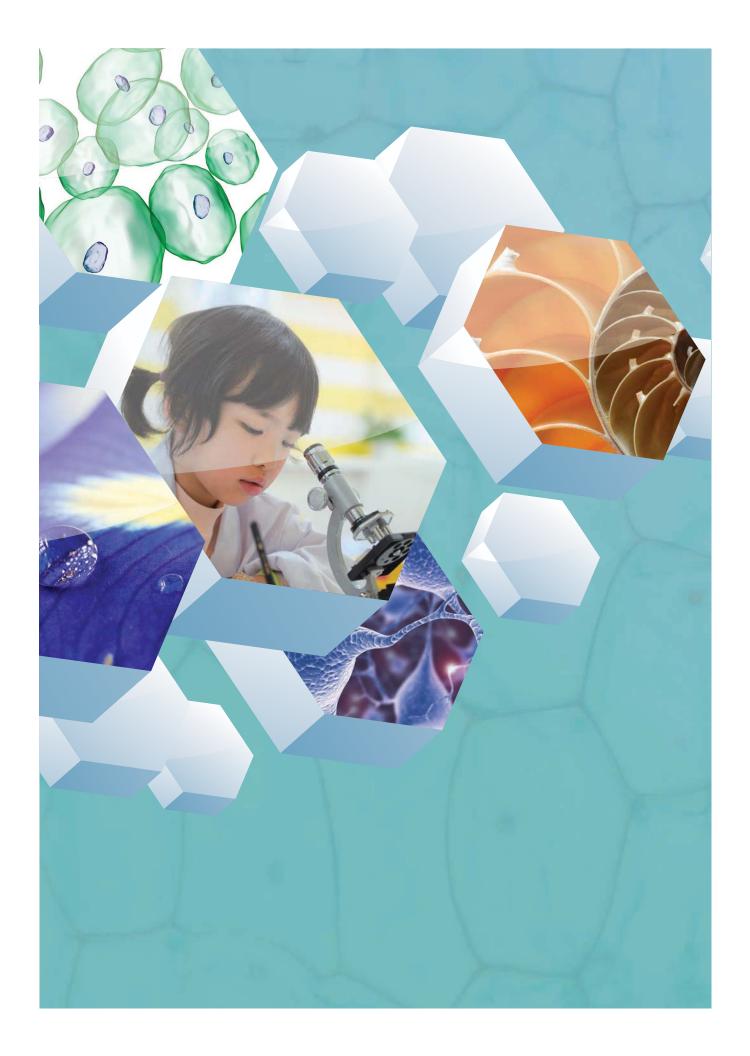
Note: Although software that comes with this microscope is Windows only, the device itself is compatible with most MACs.

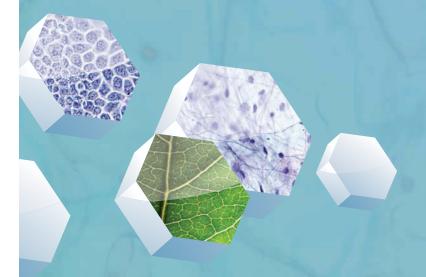
To use on the MAC you'll need 3rd party photo capture software. MODEL # 44301 / #44305



#44301







# FIND your focus

#### **OPTICAL MICROSCOPES**

Whether you're a hobbyist wishing to view a fantastical, new world of discovery... a student pursuing knowledge from a world beyond... or a lab technician conducting advanced research, Celestron has an extraordinary optical microscope for you. Explore our full range of biological microscopes, stereo microscopes and accessories.

#### CELESTRON S STEREO MICROSCO ES

Pair optical excellence with user-friendly components for results both experts and enthusiasts appreciate, including 360° rotation, illumination, and easy zoom and power adjustment.

#### CELESTRONS IOLO ICAL MICROSCO E

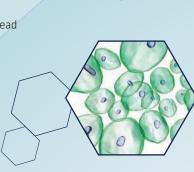
This line offers a variety of models, classes, and options that raise the bar for what is considered standard, from entry-level to professional-grade, whether you're in the lab or on the go.

#### LABORATORY BIOLOGICAL **MICROSCOPE**

Our laboratory biological microscope includes advanced features like a condenser and diaphragm. With 400x power and a monocular head that adjusts from 0° to 60° for comfortable viewing, it's an entry-level biological microscope only in price.

#### STANDARD FEATURES INCLUDE:

- + Powers 40x, 100x, and 400x
- + 4x, 10x, and 40x Objective lenses
- + 10x Eyepiece
- + Fully coated glass optics
- 4 All metal body with monocular head
- + Stage with stage clips
- + 50 mm (2") Mirror illumination
- + Condenser
- + 5 Position disc diaphragm
- + Coarse and fine focus knobs
- + Five prepared slides MODEL #44102



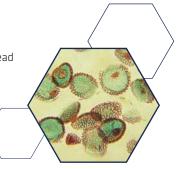




#### ADVANCED BIOLOGICAL **MICROSCOPE 500**

Get up close and personal with our mid-level biological microscope sporting advanced features like an LED electric illuminator that provides direct control of light and an Abbe condenser and Iris diaphragm to concentrate and adjust the illumination. With a mechanical stage as standard equipment, centering of specimens is a breeze thanks to its knobs that control both axes.

- + Powers 40x, 50x, 100x, 125x, 400x, 500x
- + 4x, 10x, and 40x Objective lenses
- + 10x and 12.5x eyepieces
- + Fully coated glass optics
- + LED electric illuminator
- + Mechanical stage
- + All metal body with monocular head
- + 115-Volt power
- + Abbe condenser
- + Iris diaphragm
- + Coarse and fine focus knobs
- + Five prepared slides MODEL #44104





#### ADVANCED BIOLOGICAL **MICROSCOPE 1000**

Take an even closer look with our heavy-duty, intermediate level biological microscope with full 1000x power. Features a metal body, 360° rotatable monocular head, and the LED illumination provides portability, thanks to a battery-operated design that can be used outside or on field trips.

#### STANDARD FEATURES INCLUDE:

- + Powers 40x, 100x, 400x, and 1000x
- + 4x, 10x, 40x, and 100x Objective lenses
- + 10x wide field eyepiece
- + Fully coated glass optics
- + Mechanical stage
- + Metal body with 360° rotatable monocular head
- + 4.5-Volt LED illumination (3 AA batteries user supplied)
- + Abbe condenser
- + Iris diaphragm
- + Coarse and fine focusing knobs
- + Five prepared slides

MODEL #44106

#### PROFESSIONAL BIOLOGICAL **MICROSCOPE 1500**

Meet one of our most popular, heavy-duty, professional-level biological microscopes. With 1500x power and an extra large mechanical stage, you'll enjoy ample working space along with knobs that control both axes for easy centering of specimen slides. Plus, two sets of wide-angle eyepieces allow for eight different powers.

#### STANDARD FEATURES INCLUDE:

- + Powers 40x. 60x. 100x. 150x. 400x, 600x, 1000x, 1500x
- + 4x, 10x, 40x, and 100x Objective lenses
- + Two 10x and 15x wide field eyepieces
- + Fully coated optics
- + Built-in halogen illumination
- + Mechanical stage
- + Binocular head 360° rotatable
- + 115-Volt power
- + Abbe condenser
- + Iris diaphragm
- + Coaxial focus with coarse and fine focus knobs
- + Five prepared slides

MODEL #44108



#### MICROSCOPE KIT

This multi-purpose microscope with all glass optics provides views with viewing powers up to 600x. It's the perfect tool for discovering and learning about the microscopic world we can't see.

#### STANDARD FEATURES INCLUDE:

- + Power 40x to 600x
- + 4x, 15x, 30x Objective lenses feature high quality glass optics
- + 10x to 20x Zoom eyepiece with high quality optics
- + Top & bottom LED illumination
- + Plain stage metal
- + 3 prepared slides, 2 blank slides,
- 1 hole (well) slide, rocks, honeybee wing, shrimp, light diffuser, needle probe, eye dropper, and tweezers

MODEL #44121







#### MICRO360™ **MULTI-PURPOSE MICROSCOPE**

High power for specimen slides and low power for thin and solid objects. Top and bottom LED illumination so you can properly illuminate objects with the adjustable brightness control for the sharpest views. Features a full 360° rotatable eyepiece which allows viewing at any angle without moving the microscope.

#### STANDARD FEATURES INCLUDE:

- + Power 40x/64x/100x/160x/400x/640x
- + 4x/10x/40x Objective lenses -all glass optics
- + Two eyepieces WF10x & WF16x all glass optics
- + Top & bottom LED illumination
- + Plain stage metal
- + Microscope head Inclined 45° and 360° rotatable
- + Condenser N.A. 0.65
- + Filter wheel & diaphragm 6 positions
- + 4 AA Battery powered user supplied
- + 8 prepared slides, 4 blank slides, 4 cover slips, tweezers, needle probe, eyedropper

MODEL #44125



#### ADVANCED STEREO MICROSCOPE

Our advanced stereo microscope allows you to explore the natural world while offering a great value. The rigid pillar stand has a 360° rotatable binocular head inclined at 45° for comfortable viewing or sharing your views without moving the microscope. Plus top and bottom halogen illumination, combined with the wide field eyepieces, allow for excellent viewing of your specimen or object.

#### STANDARD FEATURES INCLUDE:

- + Power 20x, and 40x stereo microscope
- + Binocular head 360° rotatable
- + Set of 10x wide field eyepieces
- + 2x and 4x Objective lenses
- + Fully coated glass optics
- + Top and bottom halogen illumination
- + 115-Volt power
- + Stage plates black/white and frosted/opaque
- + Working distance 110 mm (4.33")
- + Five prepared slides MODEL #44202

#### PROFESSIONAL STEREO ZOOM **MICROSCOPE**

This is it – our professional level, zoom stereo microscope featuring an extra strong base, pillar stand and head. It offers a quick adjustment of the power, while the binocular head rotates 360° and is inclined 45° for comfortable viewing. Plus, the top illuminator is an adjustable brightness halogen type and the bottom illuminator is a white fluorescent type. This powerhouse boasts 200 mm (7.9") of working space.

#### STANDARD FEATURES INCLUDE:

- + Power 10x through 67x
- + 0.7x to 4.5x Zoom objective lens
- + Fully coated optics
- + Two 15x extra wide field eyepieces
- + Halogen top illumination
- + Fluorescent bottom illumination
- + Extra strong base, stand, and head
- + Stage plates black/white and frosted/opaque
- + 115-Volt power
- + Five prepared slides

MODEL #44206







## **MICROSCOPE ACCESSORIES**

#### DIGITAL MICROSCOPE IMAGER Open up a

whole new world of discovery with our affordable digital microscope imager that allows you to view and/or capture snapshot images or video with your microscope and computer. Our imager replaces the eyepiece on virtually any type of microscope so images can be viewed on your computer screen. It's perfect for comfortable viewing alone or with small groups.

#### STANDARD FEATURES INCLUDE:

- + View and/or capture snapshot images or video with your computer
- + Adapts to virtually any type of microscope
- + 2 MP Sensor resolution with USB 2.0 cable attached
- + Imager replaces the eyepiece of your microscope to view comfortably on your computer screen
- + UVC Plug and play driver
- + CD-ROM contains software for viewing and image capture when using the imager, and works with Windows XP, Vista, and 7 operating systems

Note: Although software that comes with this microscope is Windows only, the device itself is compatible with most MACs.

To use on the MAC you'll need 3rd party photo capture software. MODEL #44421







### MICROSCOPE ACCESSORIES

#### PREPARED SLIDES

Our 25 or 100 piece prepared specimen slide sets will provide hours of enjoyment and discovery. Slides include insect, plant, or animal parts and more. Each prepared glass slide displays a descriptive label of the type of specimen. Both sets are stored in a sturdy wooden box to keep the slides safe and secure.



#### **BLANK MICROSCOPE SLIDES** (72 PIECES)

#### STANDARD FEATURES INCLUDE:

- + Box of 72 pieces
- + 25.4 mm x 76.2 mm x 1.0 to 1.2 mm thickness (1" x 3" x 0.043")
- + Premium quality glass
- + Precision ground and polished with smooth edges MODEL #44416

#### **CONCAVE BLANK** MICROSCOPE SLIDES (50 PIECES)

#### STANDARD FEATURES INCLUDE:

- + Box of 50 pieces
- + 25.4 mm x 76.2 mm x 1.0 to 1.2 mm thickness (1" x 3" x 0.043")
- + Premium quality glass
- + Precision ground and polished with smooth edges
- + Single concave circle on the slide 14 mm (0.55") diameter MODEL #44417







#44418

#### COVER SLIPS (100 PIECES)

- + Box of 100 pieces
- + 18 mm x 18 mm x 0.13 to 0.17 mm thickness (0.7" x 0.7" x 0.006")
- + Premium quality glass MODEL #44418

# MICROSCOPE ACCESSORIES

#### DIGITAL LCD AND CAMERA ACCESSORY

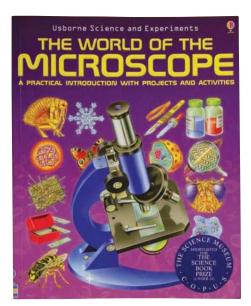
Accessorizing your microscope just got digital with our innovative digital LCD and camera accessory that allows you to view specimens or objects on the LCD screen, providing comfortable viewing for individuals and small groups. And while the digital camera allows you to take snapshots or video, you can choose to view your images on a TV monitor for expanded viewing. Best of all, the functions of your microscope remain unchanged – the microscope LCD accessory simply adds additional features for easier viewing and imaging.

#### STANDARD FEATURES INCLUDE:

- + 3.5" (88 mm) LCD screen 2" (50 mm) circular image using traditional eyepiece tubes
- + Digital camera 3 MP with 10x magnification
- + 32 MB Internal flash memory for saving images
- + SD card slot (optional cards can be used up to 8 GB)
- + LCD positioning with range of 100° vertical and 360° horizontal
- + USB cable Mini 1.1 for transferring images to a PC
- + AC adapter Universal 100-240 volts with multi-plugs for virtual worldwide usage



- + Adapters included for 23.2 mm and 30 mm eyepiece tubes, CS and C type joint adapters to fit virtually all types of biological and stereo microscopes whether monocular, binocular, or trinocular
- + Size 5" (127 mm) x 6.5" (165 mm) x 3.5" (89 mm) MODEL #44430



#44402

#### THE WORLD OF THE MICROSCOPE

This book investigates the enormous variety of objects too small for the eye to see. Includes step-by-step diagrams to show how to get the best from a microscope and how to make and keep slides. You will learn about the different types of microscopes, from magnifying glasses to electron beam microscopes. There are plenty of exciting suggestions for projects which reveal the incredible detail of everyday objects.





# EXPLORE your world

Celestron, the world's #1 telescope brand, invites you to explore fascinating hidden worlds with our extensive line of microscopes and accessories. Whether you are a curious hobbyist or scientist conducting serious research, Celestron offers a microscope ideally suited for your optical demands. After all, we have earned a well-deserved reputation over the past fifty years for providing innovative, optical excellence across our entire product line:

- + Computerized and non-computerized telescopes
- + Binoculars
- + Spotting scopes
- + Microscopes
- + Weather stations
- + GPS and handheld devices
- + Related accessories

Celestron microscopes are designed and intended for those 13 years of age and older. All Celestron microscopes feature a two year limited warranty.



Item #94000-12



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