



# MEET REBEL

THE MICROSCOPE TO CHALLENGE  
THE STATUS QUO.

## REBEL WITH A CAUSE

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Rebel was built around a singular vision: to rethink traditional microscope design. Every aspect of usability, workflow, and ergonomics were pushed to create a powerful, yet simple instrument.

As it came together, the result was something entirely new. Something radically different from anything before it – an instrument that will change the way you view science.



## TWO MICROSCOPES IN ONE

Despite sharing many optical components, conventional microscopes have always existed in two configurations: Upright or Inverted.

Where most labs have to purchase two separate microscopes for viewing different samples, ECHO has developed the world's first hybrid microscope that can be flipped to perform in either configuration.

Rebel is the most flexible microscope in its class. For the first time, labs no longer have to choose between one system or the other, and users can quickly tailor their microscope to suit their specific needs.



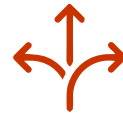
### MORE BENCH SPACE

Have more freedom with Rebel's small footprint and mobility.



### COST EFFICIENT

71% of labs purchase both an Upright and an Inverted System.



### VERSATILE

Ability to explore more applications.

UPRIGHT



INVERTED



## CONFIGURATIONS

### Upright

Ideal for viewing glass slides.  
Clean approach to oil immersion applications.  
Useful for Water Dipping applications.  
Use with optional high resolution condenser.

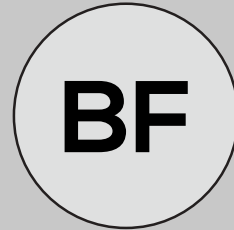


### Inverted

Designed for viewing live samples in fluidic chambers such as dishes and well plates.  
Allows for easier manipulation of samples.  
Ideal for Long Working Distance applications.

### Brightfield

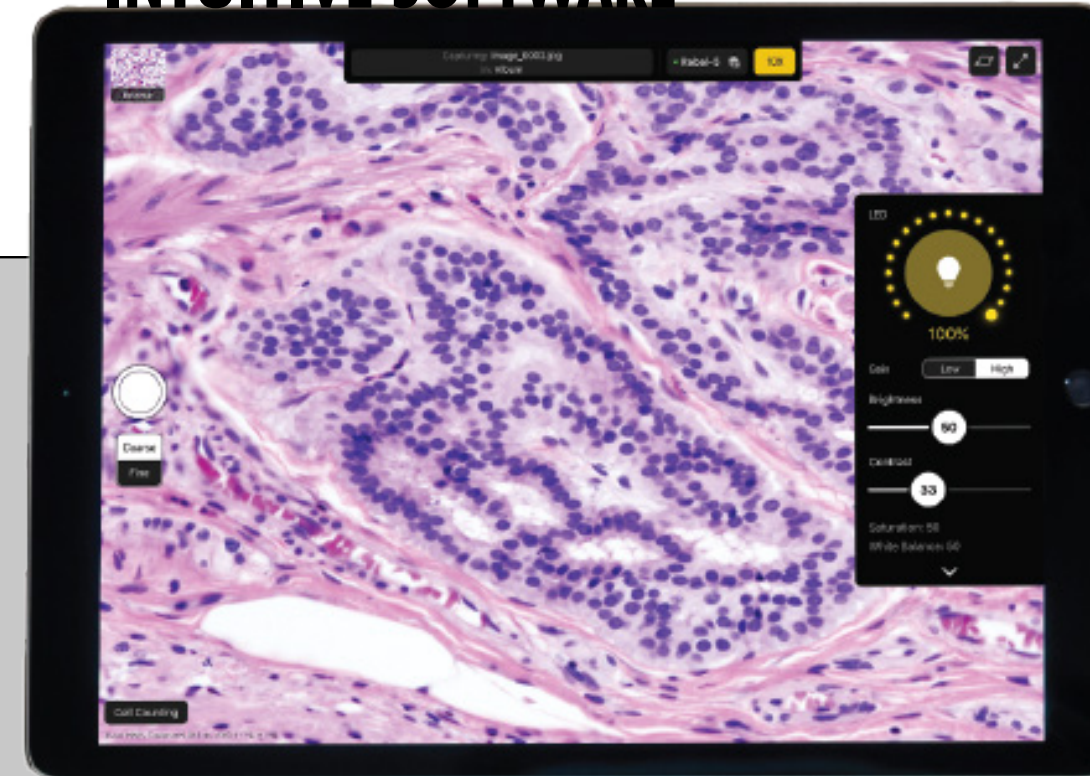
Stunning detail. Perfect color.  
8 MP color camera.  
HD video, 120 fps.



### Phase Contrast

Exceptional performance.  
Contrast enhancing technique to view transparent sample.

## INTUITIVE SOFTWARE



### ANNOTATIONS

No more clicking. Tap to count cells. Draw lines and regions to measure.

### REPEAT

Restore settings from previously captured images to accurately reproduce your experiments.

### PINCH TO ZOOM

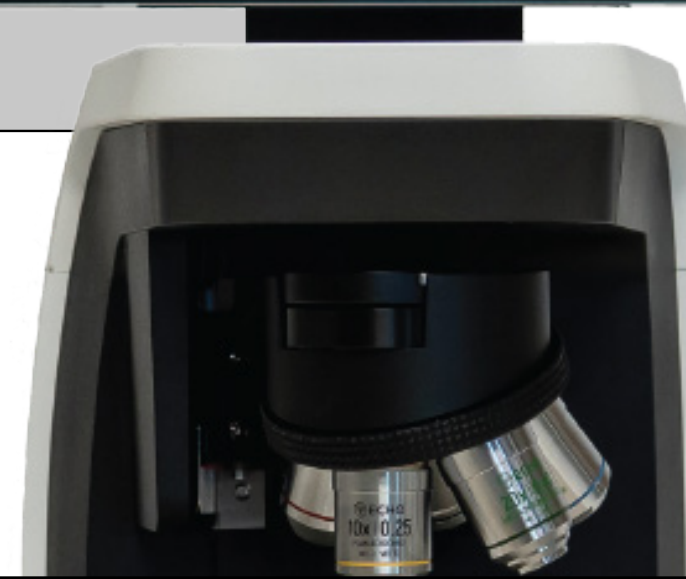
Intuitive touch screen actions such as Pinch to Zoom are integrated into the Echo App.

### RESPONSIVE

Touchscreen functions drive cameras and illumination, replacing manual turrets and levers.

### SHARE DATA

Share findings in seconds with Dropbox™, AirDrop®, USB, and other iOS file sharing options.



## FOCUS REIMAGINED

The Rebel is incredibly easy to use. You'll feel and appreciate the difference of using a familiar interface with responsive touch control.

The **Remote Focus Driver** allows users to comfortably place and adjust their hands as needed. With programmable buttons, capture and control focus speeds with ease.



**REMOTE FOCUS DRIVER**



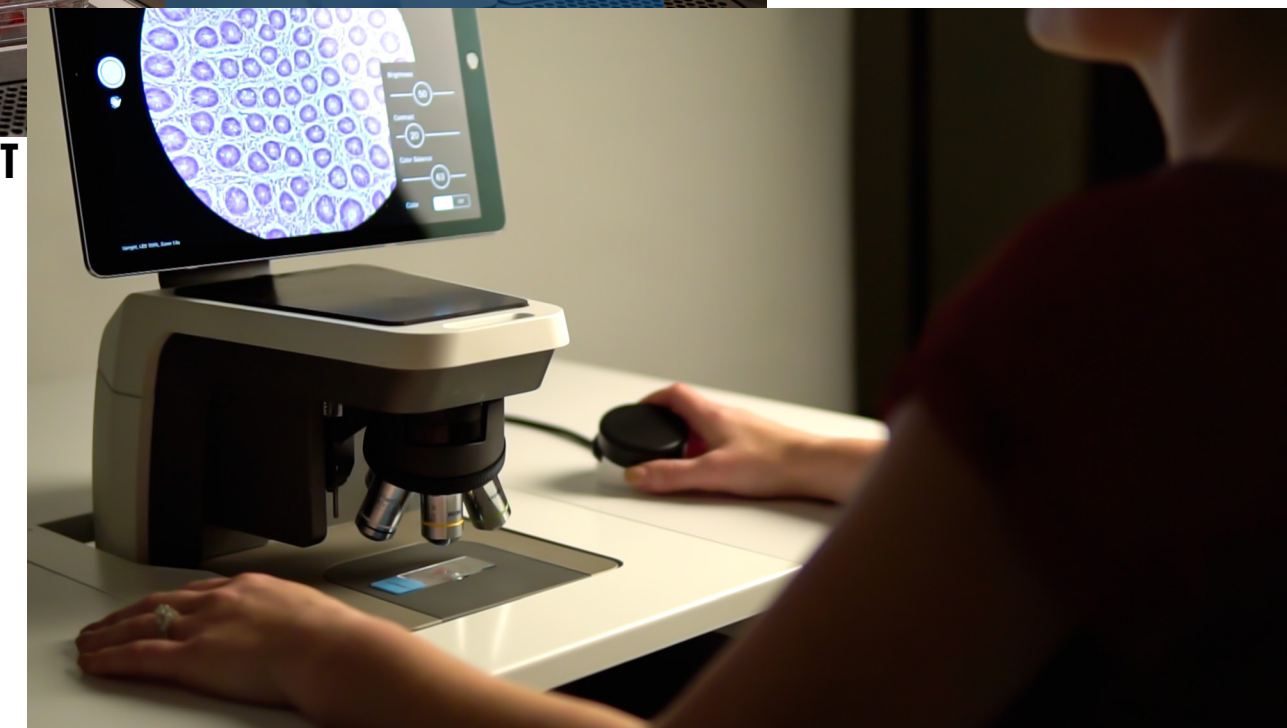
## ERGONOMICS REDEFINED

An issue that routine users struggle with is pain and fatigue from using their microscopes for extended periods of time. We collaborated with **Labconco**, the world's leading manufacturer of lab equipment and furniture to develop two first of its kind products to help relieve the user of neck and wrist pain as well as eye fatigue.

The **True Ergo Table** and **Rebel Logic Plus Biosafety Cabinet** bring the microscope stage flush with the working table top surface to drastically improve comfort and workflow for the user.



**REBEL LOGIC PLUS BIOSAFETY CABINET**



**REBEL TRUE ERGO TABLE**



### SMOOTH WORKFLOW

Brings microscope stage flush with table.



### PAIN RELIEVING

Ergonomic design to avoid pain to wrists and neck from extensive use.



### CUSTOM COMFORT

Ability to adjust height of Biosafety Cabinet and True Ergo Table to preference.



# A COLLABORATIVE EXPERIENCE

View science the way you've always wanted to see it. Use an Apple TV to create an immersive microscopy experience. Whether it's in a lecture, lab, or personal device, airplay allows the user to mirror their discoveries on external displays without any cords.



# A PAINLESS DELIVERY PROCESS

We created Rebel to be a little different.



## Risk Free Trial

We give you 30 days to try Rebel on us. Don't love it? We'll pick it up and give you a full refund.



## Delivered in a Small Box

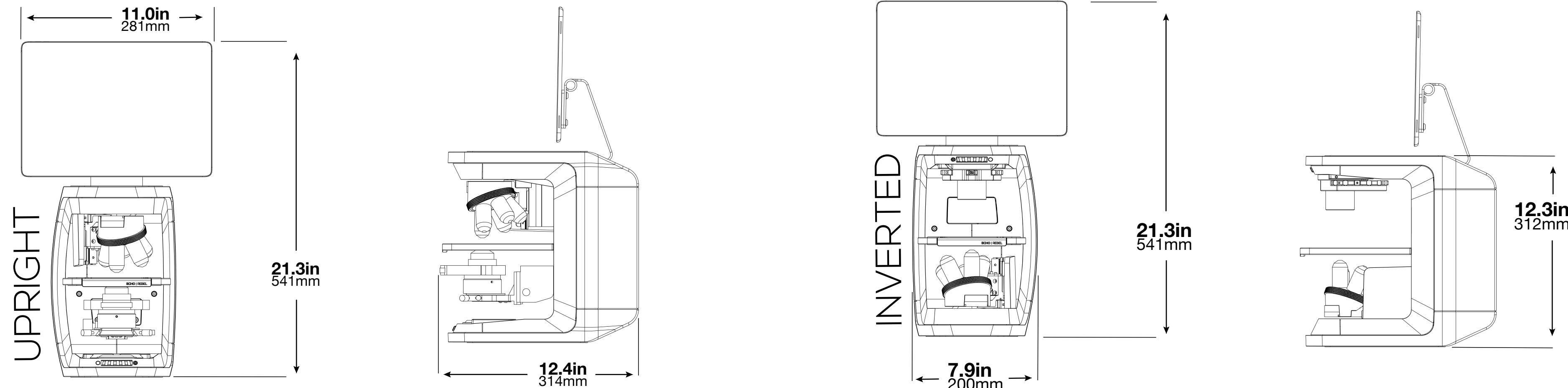
Delivered straight to your location  
In a 30 x 25 x 25 box. Plug in the scope and you're ready.



## Exceptional Customer Service

Microscopy specialists are available M-F to answer any questions you may have.

# PRODUCT SPECIFICATIONS



**STAND**

**Hybrid Microscope:**  
 Performs both UPRIGHT and INVERTED observation modes  
 Removable display  
 Optional binocular module

**CAMERA**

**Brightfield:**  
 8MP CMOS color camera  
 Repeatable camera and LED light settings

**DISPLAY**

**Apple iPad Pro:**  
 12.9" Retina® display  
 2732 x 2048 (264 pixels/inch)  
 Full circular FOV (field of view) as seen through conventional eyepieces  
 Touchscreen interface

**DATA**

**Transfer via:**  
 USB  
 AirDrop® (iOS and Mac)  
 Seamless integration with file sharing

**ERGONOMICS**

Remote Focus Controller for coarse / fine focus

**TRUE ERGO TABLE** by Labconco:  
 Adjustable height table with flush mounted stage for improved workflow

**REBEL Logic+** Biosafety Cabinet by Labconco: Flush mounted stage for improved workflow

**SOFTWARE**

Touch interface for microscope and camera control

Measurement annotations: Length, Area, Cell Count, Scale Bar

Touch-based cell counting tool (up to 6 different cell types)

Downloads and updates available via App Store

**OPTICS**

2x – 100x Plan Achromat and Plan Apochromat options

Brightfield and Phase Contrast capabilities

Extra Long Working Distance (ELWD) condenser available

High Resolution (High N.A.) Flip-out condenser available

**POWER**

Voltage Input: 100 ~ 240 V (50/60Hz)  
 Voltage Output: 12V  
 Current Output (Max): 5A  
 Power: 60W