

# The World of Carl Zeiss Microscopy

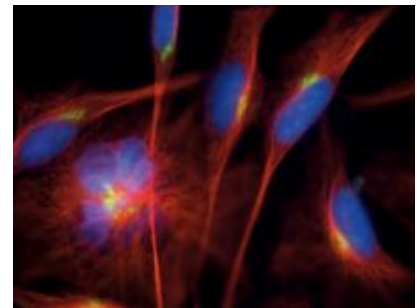
## Axio Imager - The Future has arrived

It is more than just a microscope and more than just an imaging system – Axio Imager signals the dawn of a new era in digital microscopy. Users will discover new standards in terms of performance, fully integrated intelligence and a forward-looking operating concept. As well as more freedom than ever before when it comes to expandability and versatility. The result is an innovative, modular microscopy platform for all your routine and research requirements and applications.

### Axio Imager offers:

- the ideal imaging solution with uncompromising focus on digital microscopy
- the best optics – IC2S Principle with the highest resolution, clearly offering you more information in all contrast methods
- the best fluorescence with higher contrast
- an innovative stand architecture that can be adapted modularly to meet your individual requirements
- an intelligent stand with integrated software for controlling all of your work steps
- highest precision with the imaging cell and a closed loop z-focus
- extremely comfortable ergonomics and operation for more relaxed working, even over long periods.

With Axio Imager, Carl Zeiss is once again setting new standards in light microscopy. Our aim is to provide you with an efficient and economical solution that enables you to meet the increasing challenges you face in the life sciences. To offer you a future oriented platform as a basis for your success.



## **Axio Scope - More functional. More economical.**

**More functional in every component. More economical in every configuration. Axio Scope is your microscope down to the last detail.**

Modularity has always been a prerequisite for customized microscope configurations. However, modularity has never before been implemented so consistently. The new all-round stand from Carl Zeiss is your microscope in every respect. With its unusual flexibility, it can be used universally – and is yet individually tailored to your applications. More economical than ever because you only buy what you need at the moment. And because you have the option of extending your microscope to meet your growing demands. You will be equally impressed by the cost benefits and the performance. Axio Scope – the latest generation upright routine microscope.

- New modularity: Axio Scope is as individual as the applications that you use it for. You can customize your stand from five upper parts, three lower parts and two vario columns. For simple or more complex tasks, for transmitted-light, reflected light or fluorescence. What is important is that you no longer invest in functions that you don't even use – a tangible advantage for your budget.
- Economical upgrading: Simpler and less costly – the modular interface concept of Axio Scope makes future upgrading quite simple. This is economically attractive as you can install many of the components yourself without waiting for expensive service support.
- Versatile range of uses: Axio Scope provides a range of uses which are as versatile as the tasks in institutes and laboratories. They range from simple routine applications to more complex research projects. From anatomy to cytology. From transmitted- light applications to multi-fluorescence labelling. From the thinnest histological section to a specimen 380 mm thick.



## Axiovert 40 - Number One In Its Class

### Quality and Performance. Demands become a reality.

Confronted with the increasing demands of your laboratory's routine applications, you can't afford to compromise on quality. Nor can you afford to settle for less than the best in the optical tools you use. That's where the Axiovert 40 steps in – an inverted microscope technology that offers you much more than you have ever expected from a microscope in this category. You will be impressed by the outstanding quality, and functionality, the wide range of excellent objectives, and the sophisticated fluorescence. And you will also appreciate the brilliance of the well-known transmitted light contrasting techniques right up to the innovative and unique PlasDIC, which is cost efficient and provides the best possible contrast.

Its superior optical performance and exceptionally wide range of functionalities place it at the top of its class. In terms of flexibility, operating comfort, stand stability and component quality, it is obvious that the Axiovert 40 is another outstanding Carl Zeiss microscope.

A microscope that meets the demands of professionals who:

- work primarily with living cells
- place exceptional demands on performance and functionality
- want a more cost-effective and efficient microscope in the lab
- appreciate flexible and easy upgrading options
- expect an investment in a microscope to be a safe investment.

What does this mean for you? Axiovert 40 is the perfect microscope to deliver the added performance and quality that you need to make your demands become reality – and, above all, at a price that makes high quality an affordable standard. Axiovert 40 – the best inverted microscope in its category.



## Primo Star - Greatness is a Question of Opportunities.

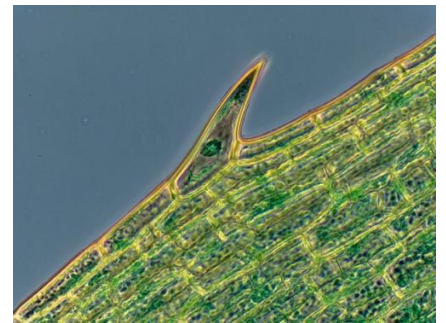
### High Performance for Education and the Laboratory.

They have to be robust, easy to operate, equipped with good optics and, above all, reasonably priced: the demands placed on educational microscopes are very specific. The constant assembly, disassembly, and handling by inexperienced microscope users as an everyday course element requires the microscope to be extremely durable and its operation to be straightforward.

Carl Zeiss has responded to these demands and, with Primo Star, is presenting a new generation of instruments in educational microscopy – a microscope that has been developed with long-term use and great durability in mind. Robust, with a fresh design and ergonomic viewing. Primo Star incorporates all the experience gathered by Carl Zeiss in the field of light microscopy, adapted specifically for educational purposes.

- Easy to operate
- Robust and durable
- Quality optics from Carl Zeiss
- Numerous innovative solutions
- Flexible through its modularity
- Excellent price/performance ratio

Primo Star is available in ten different variants. The right version for every set of requirements. This microscope – together with its many practical accessories – can be used for education, in the laboratory, doctors' practice and in the field.

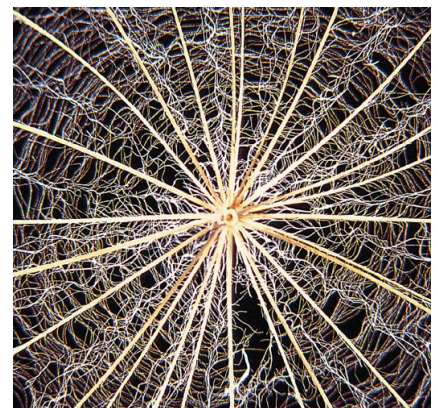




## Stemi DR, DV4 - The Art of Essential

What is just being carried to a workbench here – in a classroom, laboratory or quality inspection department – ushers in a new era of stereomicroscopy. It's a **Stemi DV4** (Double Lens Vario with zoom factor 4), a compact stereomicroscope that is immediately ready for operation and extremely easy to use. Focused on the essential performance features, the **Stemi DV4** design concept provides optimum utility. Its images are razor-sharp throughout the zoom range, and as bright and brilliant as you would only expect from a high-end instrument. An investment of lasting value, the **Stemi DV4** will grow with your requirements. It can be easily upgraded to meet a host of applications.

- Brilliant optics: A new, proprietary Zeiss zoom lens guarantees images of excellent resolution, definition and brightness – with reflections cut down to an absolute minimum. Object field coverage 25 mm (optional, 3.1...83.3mm), flattened field of view 20 mm, front lens with protective glass.
- Reliable mechanisms: Zoom range 4:1 (8 x...32 x); expandable to 2.4 x...64 x with supplementary lens systems. Unique in this price bracket: Our unique mechanical correction of the zoom lens guarantees sharp, in-focus images throughout the zoom range.
- Wide-ranging extension capability: Well-planned accessory interfaces make the Stemi DV4 a basic unit for a highly expandable modular stereomicroscope system. This approach opens up a variety of configurations and applications.
- Ingenious light control: The Stemi DV4 Stereomicroscope mounted on the Model C Stand boasts a clever light control system. Press a button to select between illumination modes; press another button for continuous increase or decrease in illumination intensity.



## Stemi 2000 - Extra Excellence

Stemi 2000 stereomicroscopes meet your expectations in two respects: They offer the cost advantage of the Greenough design, while boasting surprising performance features.

- The ultimate in 3D imaging: Thanks to their excellent optics, Stemi 2000 stereomicroscopes provide brilliant, sharp, distortion-free and highly resolved images – even at the important low magnifications.
- Spectacular zoom factor of 7.7: If you are keen on minute structures, you will enjoy the 7.7:1 zoom range. Zoom in on details, either continuously or by click stops.
- The commanding overview: The wide field of view already offered by the basic configuration lets you overview an object area greater than 35 mm in diameter. The 0.3x supplementary lens expands this to 118 mm.
- Modular and flexible: The modular construction of the Stemi 2000 stereomicroscopes with their sensibly designed interfaces permits a broad spectrum of uses. Select from stands, mounting brackets and stages to configure exactly the stereomicroscope you require.
- Light and light are not the same: Allowing epi-, transmitted and mixed illumination techniques in bright- or darkfield, the Stemi 2000 system includes various fiber-optic illuminators and cold-light sources of different wattages to suit different applications.
- Inspecting and archiving: The Stemi 2000C and Stemi 2000CS models can be connected with the AxioCam MRc5 digital microscope camera or commercial digital photo or videocameras. The Stemi 2000CS with its builtin beamsplitter allows you to do observation and documentation simultaneously.

