As a flagship product of the well-renowned educational optics brand Opto-Edu, the A33.5130 Smart LCD Biological Digital Microscope has widely gained acceptance in the Australian market, while being included in the core teaching instrument list for primary and secondary schools by the leading scientific education supplier ASIS Scientific. The A33.5130 is designed to efficiently deliver an intuitive and user-friendly microscopic observation experience at school laboratories, home-based science learning, and beginners, becoming rapidly essential for enhancing science education across Australia with its innovative digital design, usability, and value.



Blending Optical Precision with Digital Intelligence

The Opto-Edu A33.5130 biological digital microscope features a 7-inch HD screen and is the next generation of microscopes purpose-built for the modern educational

environment. It removes the traditional limitation of "single-user eyepiece," projecting the microscopic world onto a high-definition screen in real time to make observation intuitively close and teaching far more effective.

ASIS Scientific Pty Ltd + Follow ···

139 followers

4mo •

"This makes me excited for my biomedical science degree."

These were the words of a promising Year 12 student from **Pulteney** ...more



Features Overview

7" HD LCD Smart Screen

Turn on microscope and see image directly on LCD screen. Students can view, take snapshots, and record video directly onto the screen for the purpose of group viewing

Dual LED Light: Upper and Bottom Light

Passed light from underneath serves for ordinary glass slides, while the reflected light attached at the top is fine for opaque specimens like insects or textile fibers.

3 Objectives + Digital Zoom, 100x Lens Optional

Standard with 4x10x40x achromatic objectives, and 2x digital zoom on screen, the total manification on LCD reach 55x-1100x. If add optional 100x lens, the total magnification is 55x-2750x!

Multi-platform Output for Seamless Digital Integration

It supports HDMI, USB, Wi-Fi, and SD/TF card output, which makes it easy to connect to projectors, PCs, tablets, or smartphone devices for remote teaching, live demonstrations, or data transfer.

High-Resolution Camera with Real-Time Imaging

In-built CMOS sensor guarantees the reproduction of colors and the ability to shoot 8.0M photo and 1080P videos, which is perfect for making lab reports.

Strong Mechanical Stage+Precise Coarse Focusing

Equipped with a double layer mechanical stage measuring 95×105mm, providing X/Y fine adjustment, together with focus travel of 8mm, allowing fast, stable, and secure focusing.

WIFI Output For All Devices

Support Windows 10/11, macOS, Android, and iOS compatible. Software bundle includes image management, analysis, and annotation tools in the form of Strang View (for PC computers) and OX App (for mobile devices).

Why Australian Institutions Choose A33.5130

On our customer's website (https://asisscientific.com.au/product/smart-student-microscope/), ASIS Scientific advertised the microscope as the 'SMART Student Biological Microscope' (A33.5130), specifically listing its intended usage as follows: "Australian schools, universities, and training laboratories seeking durable, precise, and affordable

All microscopes include a package of 10 pre-prepared slides that allow students to begin their education right away. This makes it ideal for educational settings, for use in training and education for STEM and other educational channels, algal bloom analysis kits, and more.

Whether you are setting up a lab or simply looking to modernize your classroom equipment, this student microscope will provide you with professional performance without the price tag.



Flexible Uses Facilitating Varied Teaching Circumstances

- Classroom Instruction: The HDMI output is used to display live observations of onion epidermal cell or water flea heartbeat patterns to the whole class.

- Home Science Exploration: Kids can use the device by themselves to explore the veins in leaves, salt crystals, and hair.

- Outdoor Sample View: Built-in 18650 batteries support working over 10-20 hours outdoor, with compact carrying bag, it is ideal tool to view any specimen in the nature.

- Introductory Research Training: College students apply it in introductory biology, environment studies, and life sciences experimentation.

More Than Just “Seeing”—It’s About “Understanding”

Opto-Edu has always imagined a world where science is accessible to all. The A33.5130 is more than a microscope because it is a scientific learning platform. It reduces the entry barrier to microscopy and turns biological concepts into visual experiences that students can record and share because it promotes a student-centric learning approach.

"In the digital wave of learning, A33.5130 represents a very important connecting point in bridging the hands-on world of experimentation with the classrooms of the future."

— Product Manager, Opto-Edu

About Opto-Edu

Opto-Edu has the most professional experience of microscopes in the Chinese market, with our professional sales team, customers will get supply of the BEST SELECTED microscopes for all kinds of purposes with competitive price and 3 YEARS Warranty.

Contact

Opto-Edu (Beijing) Co., Ltd. Email: sale@optoedu.com Website: www.optoedu.com

Let every child witness the wonders of the microscopic world.