New Launched Dark Field Microscope

Recently, Opto-Edu has grandly launched the A10.2602 model dark field microscope. Leveraging its core advantage of being equipped with an **All-in-One Immersion Dark Field Condenser**, supplemented by a high numerical aperture of N.A.1.30 and a **Built-in 5W LED** strong light source design, it achieves a dual breakthrough in the clarity and efficiency of dark field observation. It has now fully opened global supply, providing foreign trade customers with more competitive microscopic detection solutions.

Core Components of A10.2602

A10.2602 highly integrates the core functions of dark field microscopes: **Super Bright Light Source** and professional **Dark Field Condenser**, plus **100x Dark Field Lens with Iris Diaphragm**. The new design maks equipment installation and commissioning more convenient, while ensuring the stability and consistency of dark field view performance.

The following is a close-up of the core component of the A10.2602 dark field microscope——the All-in-one Immersion Dark Field Condenser:



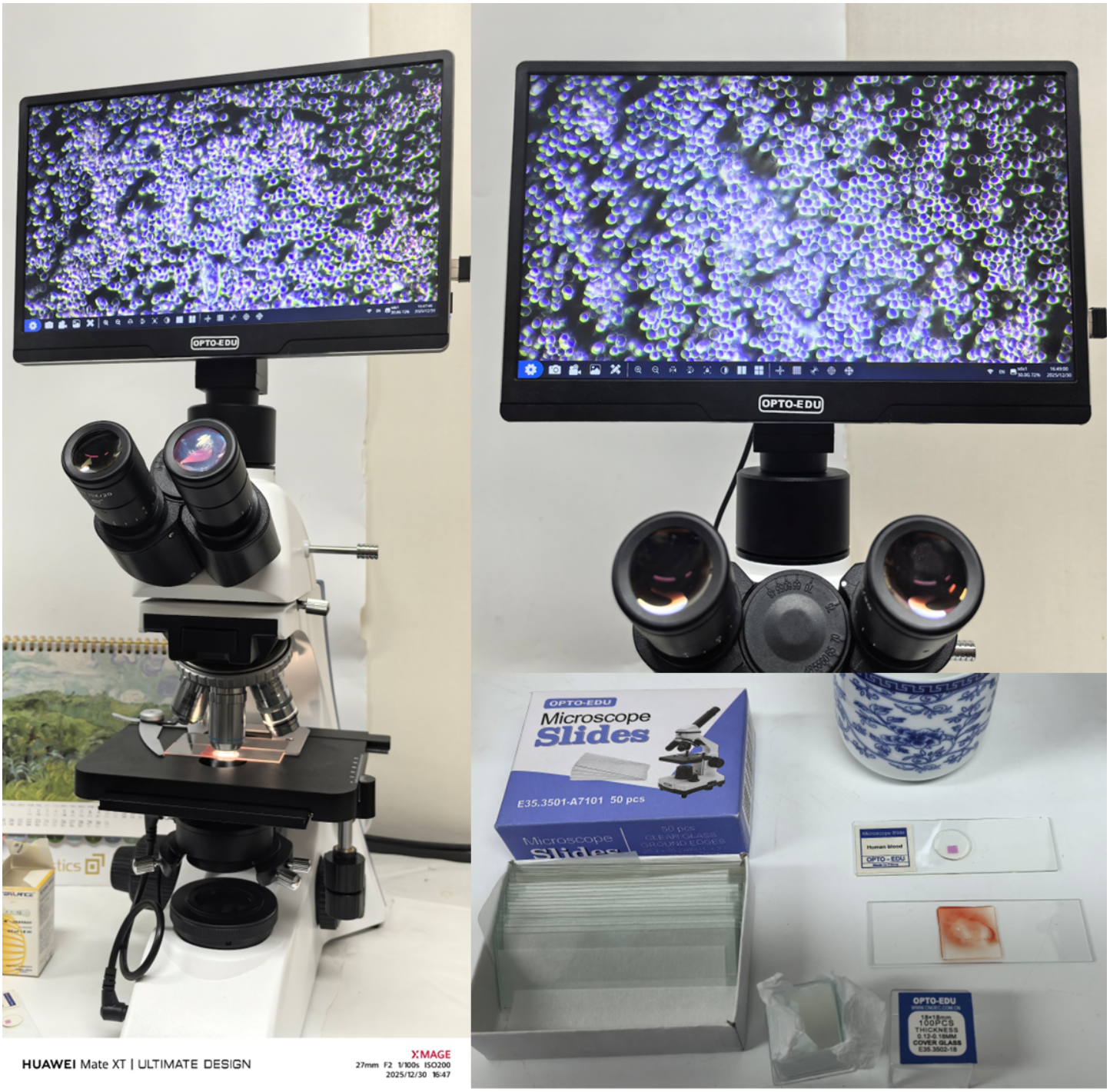
All-in-One Dark Field Condenser

This all-in-one condenser not only features an innovative design but also has key parameters reaching a high industry level: the numerical aperture (N.A.) is as high as 1.30. Numerical aperture is a core indicator determining the resolution and light-gathering ability of a microscope.

At the same time, the built-in 5W LED strong light source of the condenser provides sufficient and stable light support for high-definition dark field imaging. Compared with traditional halogen lamps and halogen lamps, LED light sources have three major advantages: first, sufficient brightness and uniform light distribution, avoiding the impact of local light and shadow on observation results; second, cold light design, no excess heat generation, which can effectively protect temperature-sensitive samples (such as biological tissues and precision electronic components); third, service life of LED lamp is more than 3000 hours, greatly reducing customers' subsequent

maintenance costs and equipment downtime losses.

The following is the actual imaging effect diagram of the A10.2602 dark field microscope:



Fast Switch Between BF/DF

A10.2602 dark field microscope can simply switch Bright Field (BF) view and Dark Field (DF) view by adjusting height of condenser. We have made a human blood smera slide to test it, **watch the video of this test below:**

Support & After Sale Service

As an optical instrument supplier with 20 years of experience in the foreign trade field, Opto-Edu has always been guided by the needs of global customers. Opto-Edu provides professional overseas technical support and after-sales service. From product selection, parameter customization to logistics and distribution, after-sales maintenance, we will provide global customers with one-stop foreign trade services to help customers easily solve micro-detection problems.

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.

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