

Digital Viewer GE5

Product introduction

The product can be directly connected to computer through USB2.0 interface; it also can realize high-resolution images of observation, photographs, video, measurement, storage, printing output of the observed article. Users can be far away from their visual fatigue at the same time sharing high-definition screen with more people. The product has many innovative features; it is the best upgrade option of traditional industrial microscopes, stereo microscopes, bio-microscopes and images measurement appliances. The product has a wide range of applications in the field of R&D in manufacturing, industrial inspection, medical, antique and jewelry identification, and academic research.



Features

- 1.The digital viewer is connected through USB2.0 interface, real-time observation of dynamic images, no external power supply;
2. With 1.3 Mega Pixel CMOS image sensor, the output images with high Signal to Noise Ratio;
3. Optical glass lens, 6cm distance to the article, large depth of field, without distortion and aberration;
- 4.Compact and flexible, ideally suited for desktop, laboratory worktable, factory operation line;
- 5.Original patented of AOI-Active View, unique over 25f/s high-resolution image preview, can operating under microscope at the meantime;

6. With laser positioning technology, can position the observed points quickly and accurately;
7. Rich light source, provide top light, backlight, sidelight, light can be adjusted by software to adapt to different environments;
8. With enhanced AWB algorithm, the color is real and beautiful;
9. One-click measuring function to meet more professional demands, can achieve measurement of length, circle diameter, angle, superficial and so on.

Parameters

Model: GE5

Image sensor: 1.3 Mega Pixel 1 / 2" color CMOS

Pixel size: 5.2 μ m \times 5.2 μ m

Spectral response: 400nm ~ 1000nm

Sensitivity: 1Lux

Scan mode: Line-by-Line

Exposure mode: Electronic shutter

Resolution: 1280 \times 1024

Transfer rate: 16f/s@1280 \times 1024, 25f/s@640 \times 480, 30f/s@320 \times 240

White balance: Auto / Manual

Exposure Control: Auto / Manual

Image output: USB2.0, 480Mb/s

Power supply: USB2.0, 480mA

Dynamic range: 62dB

Programmable control: Image size, image quality, brightness, gain, exposure time, contrast, saturation, clarity, gamma

Lighting control: Laser point positioning, top and downside LED lighting control

Operating temperature: 0 $^{\circ}$ C ~ 50 $^{\circ}$ C

Magnification: 60 \times and 180 \times Standard, 540 \times Optional

Applications

Industrial inspection

In the field of electronics and precision machinery, the need for circuit board device testing and processing is very usual. Traditional microscopes are limited to depth of field and can only observe from the top of the object, people can not fully observe surface of objects or from a variety of different view points. GE5 possesses a large depth of field and a flexible multi-angle observed structure, which can easily achieve multi-angle and large depth of field observation. And because of its long work distance (6cm), some components of thickness can be easily inspected.

School and family education

With high-resolution, high-quality imaging capabilities, characteristics that people can watch at the same time, cost-effective and easy-to-operate, GE5 is well suited for teaching in schools, family education and other fields. It can enrich teaching methods and improve teaching efficiency.

Science identify

GE5 can be widely used in criminal identify, files identify, banknotes identify, antique and jewelry identify.

Medical practice and research

GE5 can be widely used in laser beauty, dentists' examination, skin and hair and examination.

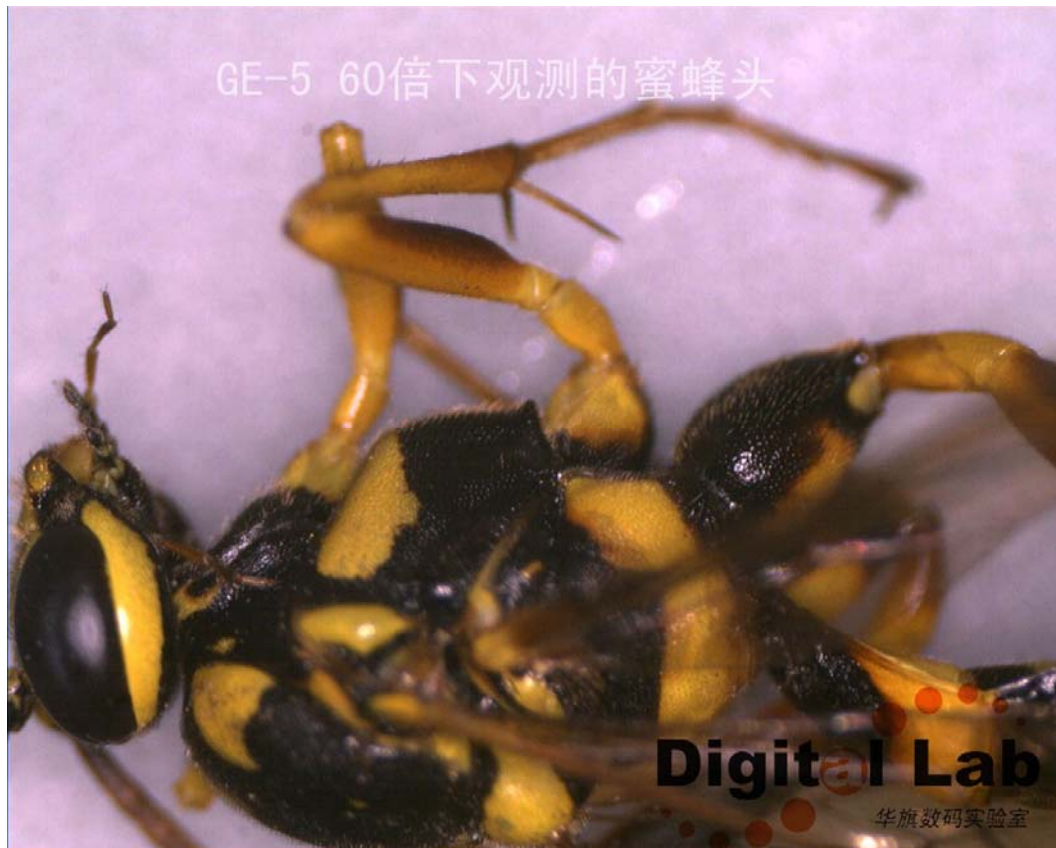
Amateur digital enthusiasts

We are attracted by the entire natural world, in our spare time, we can observe small organisms with GE5, to explore the mysteries of nature, GE5 is the best microscopic observation helper of amateurs.

System Requirements

1. PentiumIII800 or higher
2. 256MB Memory or more
3. Available 2.0 USB Interface
4. CD-ROM Drive
5. Display Card (VGA Card) 64M or more
6. Monitor 1024 * 768 resolution or more
7. Windows 2000 or Windows XP operating system

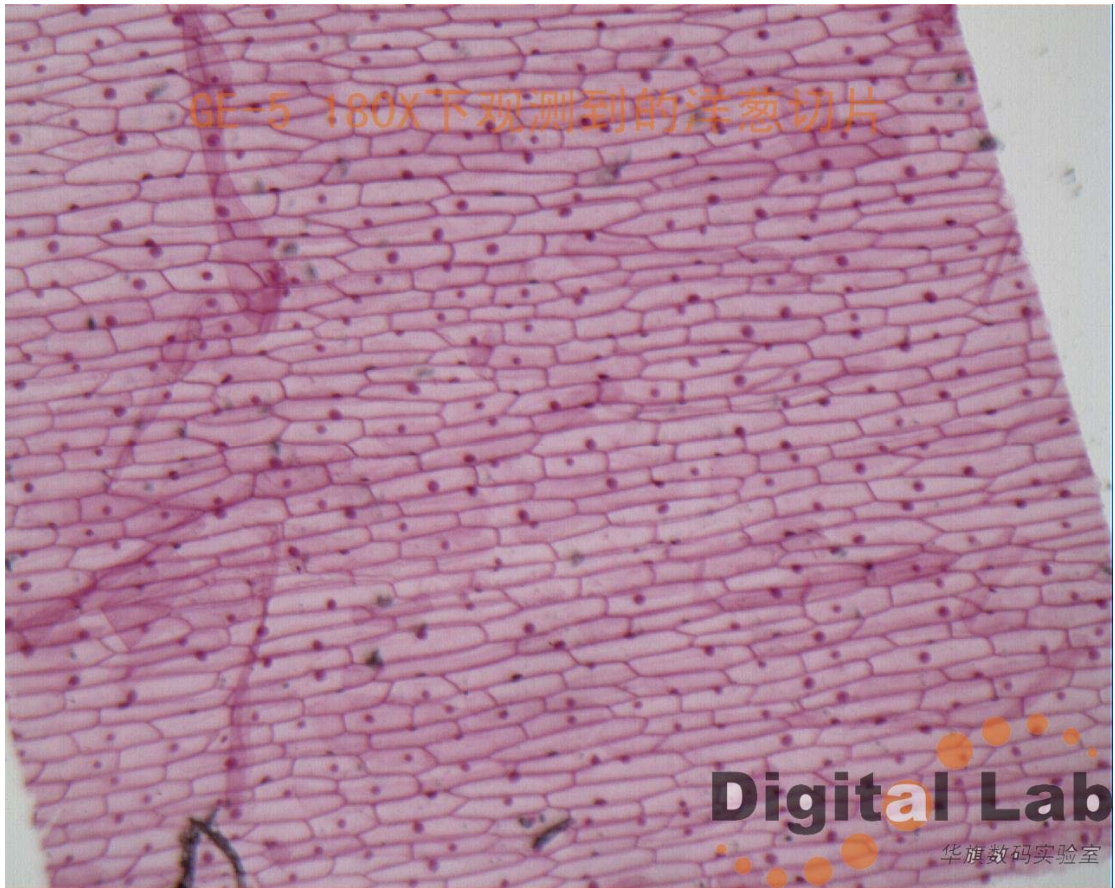
Pictures taken with GE5



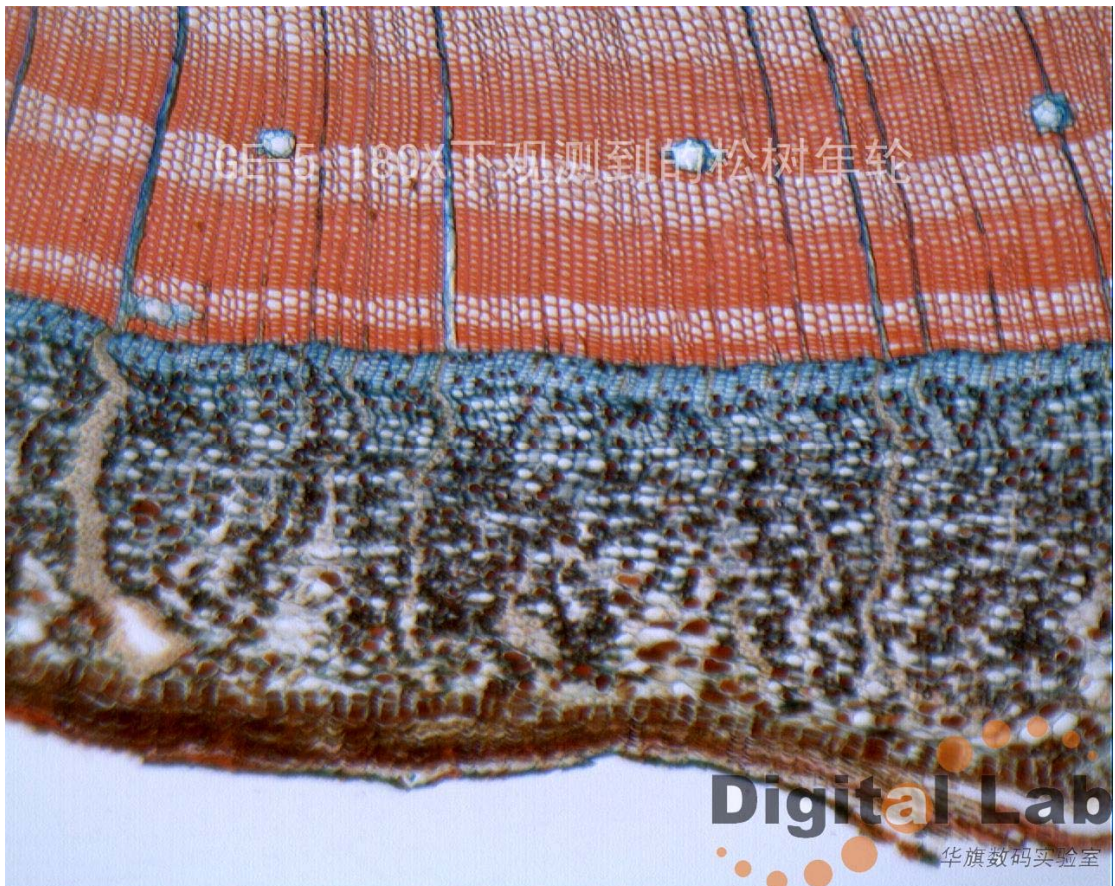
Honey head taken with 60X GE5



Watch movement taken with 60X GE5



Onion Slip taken with 180X GE5



A growth ring of pine tree taken with 60X GE5



A key taken with 60X GE5

You are welcome to contact us!

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