

3D Digital Microscope PRO-3D 2.0

Extend your stereomicroscope with functions for true 3D imaging!



Compatible with LG CINEMA 3D monitors a TVs!

PRO-3D 2.0 is an additional kit that extends stereomicroscopes by functions for true 3D imaging on 3D LCD monitors and TVs and acquisition of 3D and 2D digital images.

How the system works?

A stereomicroscope is equipped with two digital cameras. Each camera captures live view for one eye. Both live views are real-time processed by application software and displayed on a 3D LCD monitor or a 3D TV, which provides live truly spatial observation of specimens. The spatial effect is so persuasive, that the specimen seems to be so protruded from the screen, that it can be grasped.

What does the system offer?

PRO 3D 2.0 system offers following functions:

- **3D live view from a stereomicroscope displayed on a 3D monitor or 3D TV (suitable for single or multiple observers)**
- **Acquisition, storing and viewing of 3D digital images. Complete tridimensional image information can be stored within a single image file.**
- **Acquisition, storing and viewing of standard 2D digital images**

Who is the system for?

The PRO-3D 2.0 system is for all users of stereomicroscopes.

Where can the system be used?

PRO-3D 2.0 system can be used in all fields where the stereomicroscopes are being used, e.g.:

- Biological and medical fields – e.g. anatomy, entomology, botany
- Archeology, geology, mineralogy
- Technical fields – e.g. quality control in production, control of printed circuit boards assembly...
- Education

What are the parts of the PRO 3D 2.0 kit?

The PRO-3D 2.0 extensive kit contains following parts for creation of a 3D digital microscope from a standard stereomicroscope:

- 2x digital USB 2.0 CMOS camera with cables
- Application software
- 2x PCI USB 2.0 controller for connecting the cameras
- Stage micrometer for calibration

What is needed for operating the PRO 3D 2.0 system?

For operating the PRO 3D 2.0 system following equipment is needed:

- Stereomicroscope with illuminator and two optical outputs with adapters for camera connection (eyepiece camera adapters can also be used)
- Desktop PC with following minimal parameters:
 - 3 GHz processor (multi-core is recommended)
 - 2GB RAM
 - 2x PCI slot
 - Microsoft® Windows® XP/7 operating system

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