

## **3D Digital Microscope PRO-3D 2.0**

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Extend your stereomicroscope with functions for true 3D imaging!



### **Compatible with LG CINEMA 3D monitors and 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:

- 3D LCD monitor or 3D TV
- 2x digital USB 2.0 CMOS camera
- 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

Authorized Reseller:

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