3D Digital Microscope PRO-3D 2.0

Extend your stereomicroscope with functions for true 3D imaging!

PRO-3D 2.0 is an additional kit that extends a stereomicroscope by true 3 dimensional stereoscopic imaging on 3D monitors and TVs with acquisition of 3D and 2D digital images.

System Description:

A stereomicroscope is equipped with two digital cameras. Each camera captures a live view of each optical path. Both live views are processed in REAL-TIME and displayed on a 3D monitor or a 3D TV, which provides LIVE truly spatial observation of specimens. The image looks just like you would observe in any stereomicroscope yet the spatial effect is so persuasive, that the specimen seems to protrude from the screen, as though it could be grasped.

Features Overview:

- **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 3 dimensional image information can be stored within a single image file.**
- **Acquisition, storing and viewing of standard 2D digital images**

Fields of Use:

The PRO-3D 2.0 system is intended for all users of stereomicroscopes. It can be used for example in the following fields:

- Biological and medical fields – entomology, botany, anatomy
- Geoscience – geology, mineralogy and archaeology
- Industry - quality control in production, control of printed circuit boards assembly
- Criminology
- Education – training

Parts Included in the Kit:

The PRO-3D 2.0 kit contains the following parts:

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

Minimal System Requirements:

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

- Stereomicroscope with two (2) optical outputs with adapters for camera connection (two eyepiece camera adapters can be optionally used), proper illumination
- 3D monitor or TV with Full HD (1920 x 1080) resolution supporting side-by-side 3D mode: e.g. LG Cinema 3D
- Desktop PC with following parameters:

Processor	Operating Memory RAM	Slots	Operating System
Intel Core i3 (i5 is recommended)	2 GB (4 GB or more is recommended)	2x PCI Express slot for USB controllers	Microsoft® Windows® XP/7/8.1/10