

Motorised Macro Stand



Macro stand with high quality optics, adjustable ring light, and motorised focus control.

Features:

- Magnification from 1 to 150 times (live), and from 1 to 250 times on still images (on a 19" monitor with 100% zoom, pixel to pixel). Dependent on the camera.
- Resolves details down to 2 microns.
- Captures images with extended focus depth and extended exposure automatically.
- Focus can be controlled directly from the software or by foot pedals.
- Includes all necessary components to start capturing stunning images. (camera and computer as option)
- Can be combined with any type of DeltaPix cameras. The Infinity X is recommended.

Specification

Includes:

- Stand with base without light (light in base is an option)
- DeltaPix USB Stepper motor controller USBC1, preconfigured
- DpxView Pro AZ software with dongle protection
- Power supply
- All necessary cables
- Adjustable LED ring light
- Motorised Z-stage for focus adjustment and automatic capture of extended focus
- Computar MLM-3XMP Macro lens

Depth of Field of focus:

Up to 20mm (in extended mode)

Field of view (mm):

6.4x4.8 to 21.3x16.0

Working distance:

90mm

Resolving power (Infinity X):

Down to 2 micron at max optical magnification.

Power supply:

100-240V AC /12V 1A

Minimum Computer Requirements

Pentium 4
512 MBytes of RAM
10 Gbyte free HD-space
2x USB 2.0 ports
Windows XP
note:do not use computers with shared graphics memory!

A complete digital microscope with motorized focus, extended focus and exposure, video capture, measurements and much more

When there is no need to look manually into two eyepieces, this digital macro stand offers all necessary means to be the perfect tool for precise measuring and capturing stunning images of all kind of micro objects, including objects with shiny surfaces and large focus depth of field.

The system includes DeltaPix DpxView Pro AZ software that makes capturing, viewing, measuring, doing reports, saving and browsing images and much more, as easy as 1, 2, 3.

High optical quality

Even that the cost of this system is a fraction of stereo microscopes with motorised Z-axis, the optical quality is high, especially in respect of resolving power and distortion.

Easy to install and control

The system is pre-calibrated at two different magnification settings, so capturing and measurements can be started immediately after installation of the software. The software and connection of all components is plug and play, and working with the software is intended to be as easy and intuitive as possible, without losing facilities.

There are no cards to be installed in the computer, everything is connected through USB. The focus and capture can be directly controlled from the mouse or optionally from foot pedals or likewise.

Capturing EE and EF images in seconds

Capturing images with extended focus and extended exposure is easy with this system: adjust the focus so the closest part of the object under observation is in focus. Change the focus to the point where the distant part of the object is in focus. Select the number of slices, and press the capture button. A number of images is then automatically captured at different focus points, and afterwards combined to an image where all areas of the object are in focus.

If it is not possible to achieve correct exposure in all areas of the object under observation, due to reflections or very dark or shiny parts, the software can also deal with that. By capturing images at different exposure levels, the software automatically combining these images to form one image with perfect exposure level in all areas.

Affordable

The cost of the macro stand plus camera is extremely competitive to any other systems with similar specifications and capabilities. This is achieved by the use of standard components of high quality, which in combination with the Infinity X and the DpxView Pro AZ software, gives an unmatched price/performance ratio.