

# *TOFRA, Inc. (Tools for Research Automation)*

microscope automation ♦ filter changers ♦ focus drives ♦ scanning stages ♦ LED light sources

---

## PRODUCT NEWS RELEASE

CONTACT:

Ilya Ravkin

TOFRA, Inc.

Phone/fax 650-494-7772

[iravkin@tofrainc.com](mailto:iravkin@tofrainc.com)

<http://www.tofrainc.com>



## **TOFRA, Inc. Introduces Universal Direct Parfocalizing C-Mount Camera Adapter for Microscopes**

Palo Alto, CA (June 2009) – TOFRA, Inc. has released Universal Direct Parfocalizing C-Mount Camera Adapter for Microscopes.

Universal Direct Parfocalizing C-Mount (UDPC) Camera Adapter is used to position the camera chip in the intermediate image plane of the microscope. The adapter has adjustable height allowing the user to parfocalize the image in the microscope oculars and on the camera.

The UDPC Adapter can be used as drop-in replacement for commercially available fixed (non-parfocalizing) direct c-mount adapters. It can be used with a variety of microscopes by using a microscope-specific base. Bases for major microscope brands are provided. In addition to parfocalizing, the UDPC Adapter provides a convenient way of aligning the camera with the microscope stage. This is especially important in scanning applications.

Currently there is only one direct parfocalizing c-mount camera adapter on the market (for Olympus microscopes). The present adapter extends the ability to parfocalize images in the eyepieces and on the camera to most microscopes and improves operation compared with the Olympus part. The UDPC Adapter is constructed of two threaded parts with thread lead 1 mm and adjustment range 5 mm. The adapter causes no image degradation due to lensless design. The UDPC Adapter is competitively priced compared with available fixed camera adapters.

The parfocalizing operation consists of three steps: 1) the microscope is adjusted to have ocular image in focus, 2) the bottom part of the UDPC Adapter is turned until the image in the camera is also in focus, 3) the top part of the UDPC Adapter is rotated slightly to align the camera with the stage.

For more information check the company web site [www.tofrainc.com](http://www.tofrainc.com) or contact Ilya Ravkin at [iravkin@tofrainc.com](mailto:iravkin@tofrainc.com), by phone 650-494-7772, or write to TOFRA, Inc., 945 Colorado Ave., Palo Alto, CA 94303.

TOFRA, Inc. provides microscope automation hardware and software to end users and system integrators since 1993.