

PHOTONICS spectra®

WHITE PAPERS & APPLICATION NOTES



Optimize the performance and cost of your automated optical imaging system with 6 key equations for selecting an imaging sensor, objective lens, Z-focusing nano-positioning stage and XY sample positioning motion. Topics covered include: optimal imaging sensor size and resolution, objective lens magnification and numerical aperture, and XYZ motion resolution and stability requirements to enable crisp images. Also discussed is how diffraction affects image resolution, and how to calculate the depth of field for a given objective lens.



4 Steps to Optimize the Optics in Automated Imaging Instruments

Optimize the performance and cost of your automated optical imaging system with 6 key equations for selecting an imaging sensor, objective lens, Z-focusing nano-positioning stage and XY sample positioning motion. Topics covered include: optimal imaging sensor size and resolution, objective lens magnification and numerical aperture, and XYZ motion resolution and stability requirements to enable crisp images. Also discussed is how diffraction affects image resolution, and how to calculate the depth of field for a given objective lens.

[DOWNLOAD WHITE PAPER](#)



Visit [Photonics Media](#) to download other white papers and learn more about the latest developments in lasers, imaging, optics, biophotonics, machine vision, spectroscopy, microscopy, photovoltaics and more.

www.photonics.com/WhitePapers.aspx

We respect your time and privacy. You are receiving this email because you are a Photonics Spectra magazine subscriber. You may use the links below to manage your subscriptions or contact us.

Questions: info@photonics.com

[Unsubscribe](#) | [Subscribe](#) | [Subscriptions](#) | [Privacy Policy](#) | [Terms and Conditions of Use](#)

Photonics Media, 100 West St., PO Box 4949, Pittsfield, MA 01202-4949

© 1996 - 2021 Laurin Publishing. All rights reserved. Photonics.com is Registered with the U.S. Patent & Trademark Office. Reproduction in whole or in part without permission is prohibited.