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## 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

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