

Reveal new confocal imaging potential with NSPARC, the new AX confocal detector

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Abstract

The Nikon point scanning confocal microscope AX opens up to higher resolution employing a new detector technology. Combined with the AX's unparalleled large field of view, high speed, and deep imaging capabilities, the new Nikon SPatial ARray Confocal detector (NSPARC) adds additional potential to confocal imaging by providing a new level of ultra-low noise-sensitive spatial detection. The NSPARC allows better than traditional resolution and an improved Signal-To-Noise ratio (SNR). Based on imaging scanning microscopy (ISM) technology, NSPARC equipped with an array detector delivers outstanding acquisition of super-resolved (SR) images equivalent to 0.2AU with an SNR corresponding to 1AU.

In this workshop, you will find out how to acquire easily a confocal-based super-resolved image with enhanced image quality. Thanks to NSPARC technology, you will experience on the fly improvement of both SNR and resolution. You will discover that NSPARC allows imaging in depth providing exceptional details and high SNR, which is often reduced in deep areas.

There is much more to discover, so join us and learn how AX with NSPARC provides seamlessly integrated high-resolution image acquisition with unprecedented image quality.

