

single emitter is not “diluted” on too many pixels, yielding a better signal-to-noise ratio. The magnification of commercial high NA microscopes is often designed to be in the 150-170 nm / pixel range. This magnification is sufficient to generate SOFI images with the resolution obtainable by any cumulant order while preserving the same field of view. Furthermore, relatively short acquisition times in SOFI (as compared to localization-based superresolution techniques) relax platform dependent issues such as sample drift during the measurement.

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