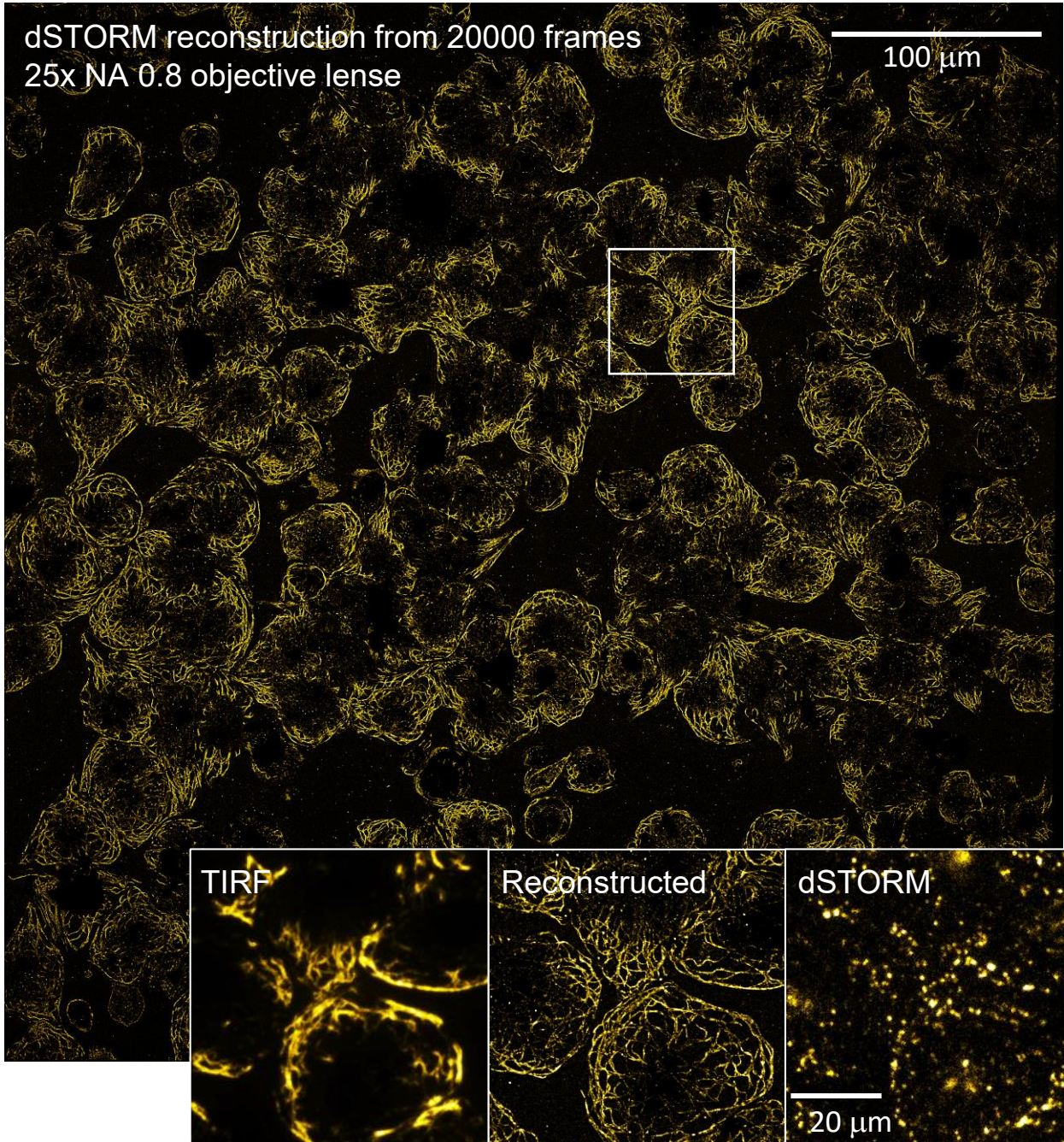




**SINGLE MOLECULE LOCALIZATION MICROSCOPY (SMLM)**

ACP-ZERO is an efficient platform for performing SMLM, as an intense evanescent field is generated to illuminate the specimen. Thanks to the separation of the excitation and detection light paths, lower magnification objective lenses can be employed for fluorescence collection. This combination enables a high-throughput and user-friendly SMLM scheme that consistently achieves super-resolution over ultra-large FoVs, without image stitching.

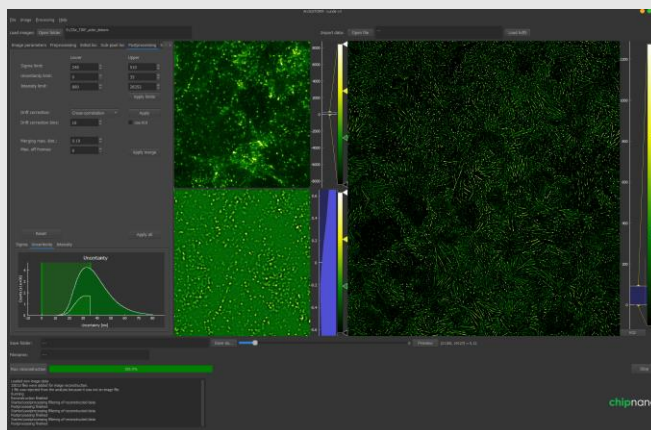


**ACP ZERO STANDARD**

**TECHNICAL SPECIFICATIONS**

**ARTICSTORM: GPU-ACCELERATED RECONSTRUCTION**

The ArcticSORM software completes the ACP-ZERO software suite, offering GPU-accelerated super-resolution reconstruction of single-molecule localization datasets. It provides advanced filtration, post-processing, and allows users to export images with optimized, color-blind-friendly palettes for presentations or publications.



**SYSTEM SPECIFICATIONS**

Standard model, customizable options

*Camera unit*

Sensor type: Scientific CMOS  
Pixel count: 3200x3200

*Laser unit*

Standard wavelengths: 491 nm, 561 nm, 640 nm  
Customizable laser lines: TBD

*White light source (EPI)*

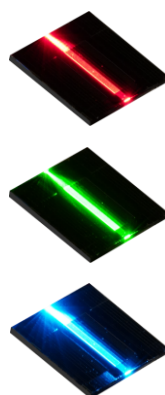
Technology: 200W metal halide

*Objective lenses*

Lens turret: 2 objectives, simultaneously mounted  
Lens selection:  
- 60x NA 1.2W  
- 25x NA 0.8  
- 20x NA 0.45  
- 10x NA 0.4

Lateral resolution: 50 nm @ 60x (SMLM)  
75 nm @ 25x (SMLM)  
140 nm (SMLM) @20x  
Diffraction limited and DV enhanced

Software: Acquisition software  
Post-processing suite with GPU-accelerated visualization and reconstruction for SMLM data, and deconvolution software



**CONTACT INFORMATION**

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