

LiveCodim

Super-resolution imaging platform

A solution for widefield and confocal microscopes

Standard widefield microscope:

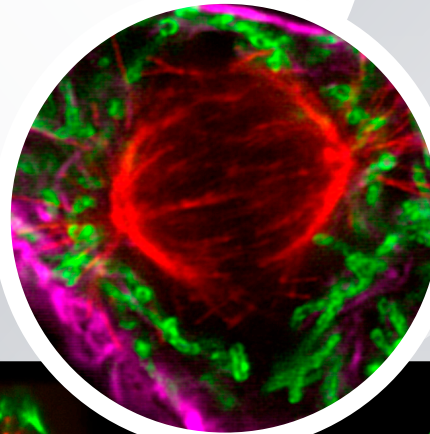
Compatible with any commercially available or custom-designed microscope. Widefield illumination provided upon request.

C-mount

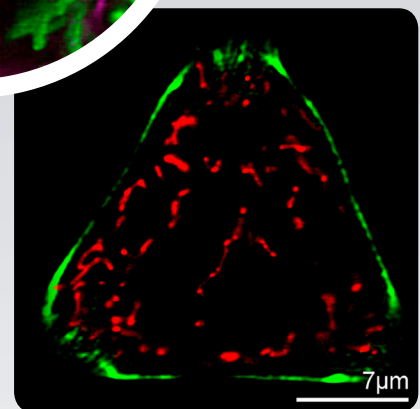
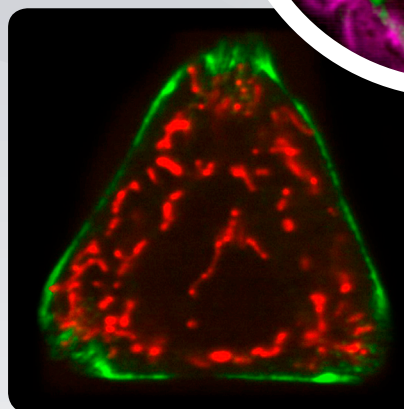
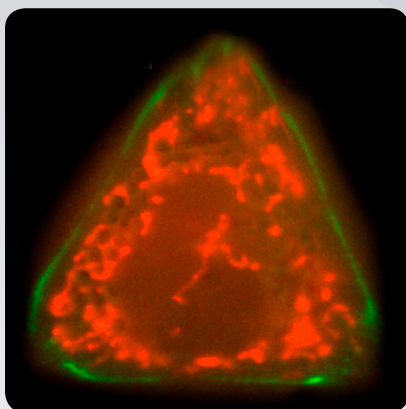
Camera mount attachment to microscope via either left or right side ports. May also be custom fitted for other ports. i.e. F-mount.

LiveCodim complete scanning and super-resolution image acquisition unit

Optics for raster scanning, beam-shaping and image acquisition with Teledyne Photometrics camera.

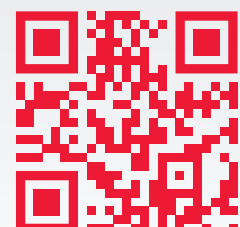


2-color mitosis + microtubule image



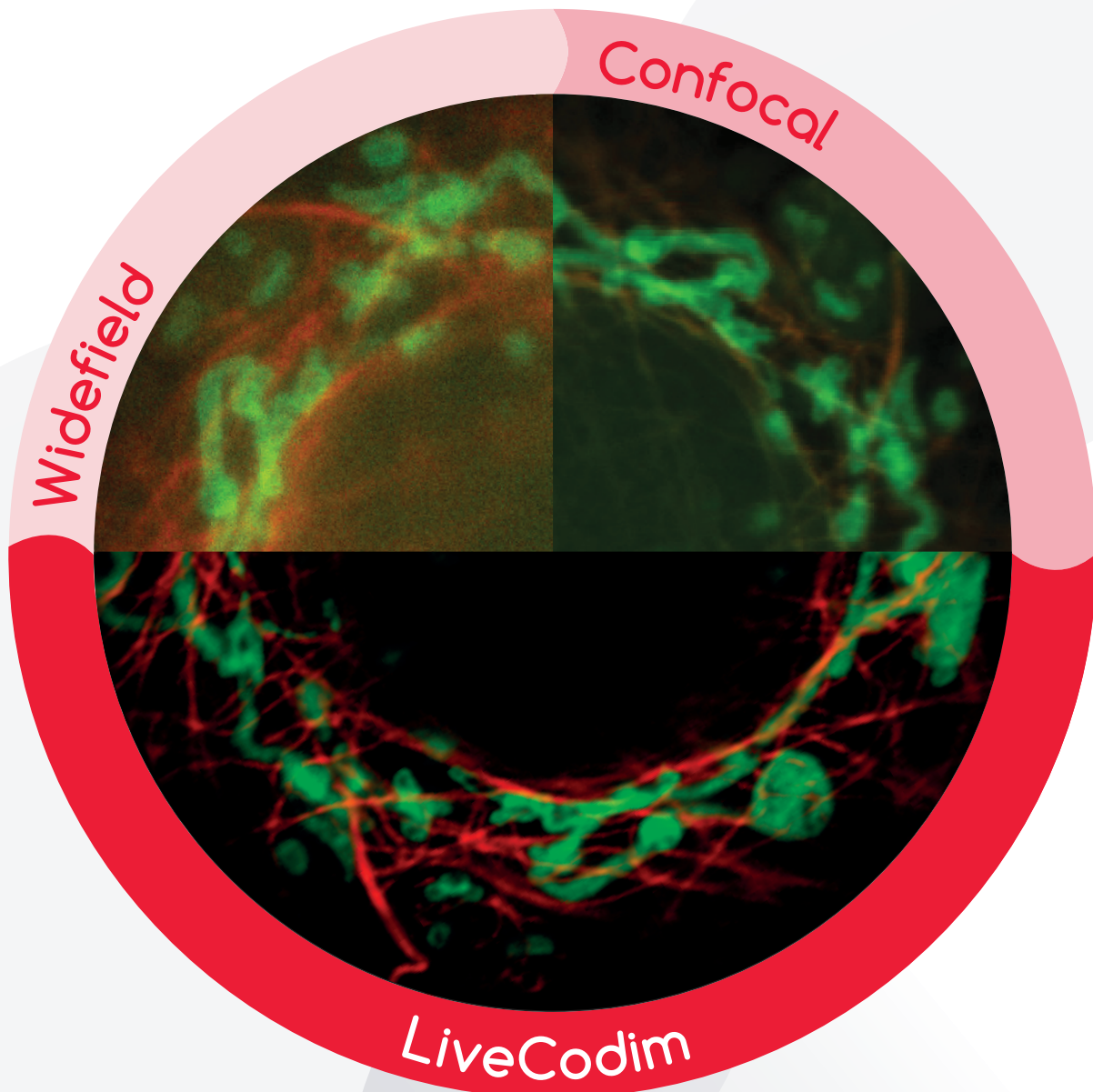
From conventional to super-resolution microscopy
LiveCodim is a universal, super-resolution imaging platform, designed to interface with any standard fluorescence microscope.

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Revolution in super-resolution

LiveCodim is the solution for live imaging with high resolution and low phototoxicity.



LiveCodim is the solution for live imaging with high resolution and low phototoxicity. LiveCodim is a universal add-on designed for any fluorescence standard microscope. It offers widefield, confocal, and super-resolution modalities to provide a complete solution, especially suitable for

retrofitting. The technology is based on the patented Conical Diffraction Microscopy - a powerful beam shaper, generating controlled and localized light patterns used to scan biological samples with very low phototoxicity and negligible photobleaching.

Key advantages

- ✓ High-performance **SUPER-RESOLUTION MULTICOLOR IMAGING** | 4 custom fluorescence channels
- ✓ **RESOLUTION** better or equal **90 nm** | Increased resolution using light structuration and scanning point approach
- ✓ **STANDARD SAMPLE PREPARATION** | Standard fluorescence microscopy sample preparation workflow
- ✓ **PENETRATION DEPTH** | Z-stack to construct 3D images. Confocal-like penetration depth
- ✓ **SEAMLESS INTEGRATION** with all fluorescence microscopes
- ✓ **LIVE-CELL IMAGING** | Low photo-toxicity and photobleaching enables in vivo SR (super-resolution) study
- ✓ Streamlined and **EASY-TO-USE** application | Autonomous processing algorithm with fiji integration