

89 NORTH
 Illuminate Today. Transform Tomorrow™

89 NORTH
LDI  & CRESTOPTICS
CICERO

EFFORTLESS INTEGRATED CONFOCAL SYSTEM PACKAGES

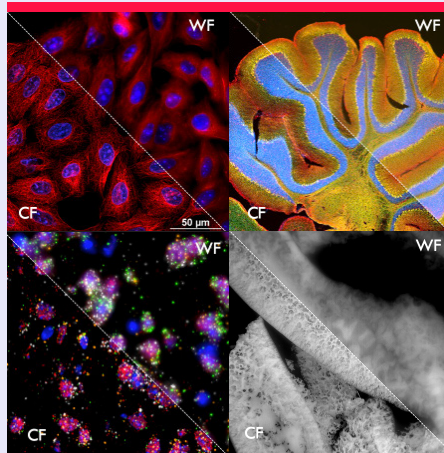
The suite of four 89 North CICERO Spinning Disk Confocal Packages is meticulously crafted for effortless integration into diverse imaging setups, promptly transforming them into reliable and user-friendly confocal systems.

Select from the array of available LDI laser lines, and you'll find all the essential components required to establish a comprehensive spinning confocal imaging system that seamlessly interfaces with your camera and microscope.



KEY FEATURES

- Compact spinning disk confocal unit
- Manual bypass mode (widefield)
- Single disk with 50um pinholes
- 5-position emission filter wheel
- LDI - Laser Diode Illuminator
- Matching Chroma filter set
- Optical fibers & connectors
- Fiber bend box
- Installation tools
- C-mount adapters to microscope and camera
- Field lens (matched to microscope)



KEY APPLICATIONS

Life sciences, metrology, and material sciences are among the disciplines that increasingly rely on high-speed, high-contrast, high-resolution imaging. Almost all research benefits from 3D confocal images on a daily basis.

- High Content Screening
- Digital Pathology
- Spatial Biology
- Material Science

FOUND IN THE WORLD'S MOST ADVANCED LABORATORIES

Our customer base includes some of the most respected institutions in imaging and research.



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SPECIFICATIONS

Packages	CICERO-3LDI-s1	CICERO-4LDI-s1	CICERO-5LDI-s1	CICERO-5LDI-s2
89 North Lasers (nm)	405/470/640	405/470/555/640	405/470/555/640/730	405/488/555/640/730
Excitation & Dichroic	Triple bandpass excitation & dichroic set	Quad bandpass excitation & dichroic set	Penta bandpass excitation & dichroic set	Penta bandpass excitation & dichroic set
Chroma Filters	1 triple bandpass & 3 single band emission filters. Single bands: ET440/40m, ET510/50m, ET700/75m	1 quad bandpass & 4 single band emission filters. Single bands: ET440/40m, ET510/50m, ET600/50m, ET700/75m	1 penta bandpass & 5 single band emission filters. Single bands: ET440/40m, ET510/50m, ET600/50m, ET700/75m, ET811/80m	1 penta bandpass & 5 single band emission filters. Single bands: ET440/40m, ET525/50m, ET600/50m, ET700/75m, ET811/80m
FOV	Up to 22mm			
Bypass Mode	Yes (manual)			
Spectral Range	Excitation: 390-750nm ; Emission: 430-850nm			
Camera	C-mount camera			
Resolution	Lateral Resolution (FWHM): ~230nm (100x NA 1.45) Axial Resolution (FWHM): ~600nm (100x NA 1.45) Temporal: 100 fps, full frame (camera limited)			
Software	µManager, VisiView®, Volocity, CellSens, SDK available for integration, TTL control and serial conversion available			
Configuration	Inverted or Upright Microscope			

CONTACT US

Should you have specific requirements or preferences, feel free to reach out to our team of specialists or territory managers. We are more than willing to tailor a custom system that aligns perfectly with your unique research needs.

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