

WHEN SPEED, PRECISION, AND INNOVATION CONVERGE INTO ONE POWERFUL IMAGING SYSTEM

Speed and Precision Unleashed

Fast Scanning Technology for Unmatched Efficiency

Scanning speeds that redefine expectations: Hermes employs a patented scanning technology achieving ultra-high scanning speeds while keeping your valuable samples stationary.

Plate Format	Colors	Fields per Well	Exposure (ms)	Scan Time (m:s)
96	4	1	50	01:39
384	4	1	50	05:25
1536	4	1	50	19:40

Stationary plate, Mobile objective

Protecting Your Samples from Damage

Hermes moves the objective beneath the sample, which enhances scanning speed and eliminates vibrations that could harm delicate biological samples.

Precision engineering ensures accurate repositioning during time-lapse.

Beyond Limits with Super Resolution Imaging

Automated Imaging with Immersive Objectives

Hermes is the first microscope to permit fully automated sample scanning with oil immersion objectives. This enabling capability permits fully automated super-resolution imaging to visualize biology below the diffraction limit, achieving 100 nm resolution.





AI-Powered Zebrafish Analysis with Athena Software

Next-Level Analysis for Zebrafish Researchers

Deep learning algorithms for label-free zebrafish analysis: Athena software automatically analyzes transmission light (i.e., brightfield) images of zebrafish to detect the fish outline, morphology, internal anatomy and measure internal fluorescence. Athena sets a new standard for easy yet reproducible image analysis for microscopy using zebrafish.

Flexibility and User-Friendly Design

Adaptable for Any Experiment, Intuitive for Any User

- ✓ Broad Objective compatibility: Hermes accommodates all common types of objectives, including air, water and oil immersion types.
- ✓ See at any scale: Select from magnifications ranging from 2X-60X air, 20X-60X water or 40X-100X oil.
- ✓ Broad sample type compatibility with easy software definition for new and custom sample formats.
- ✓ Automated scanning over a range of sample quantities, from single slides up to 20 microwell plates.

Simplifying Complexity for Every User

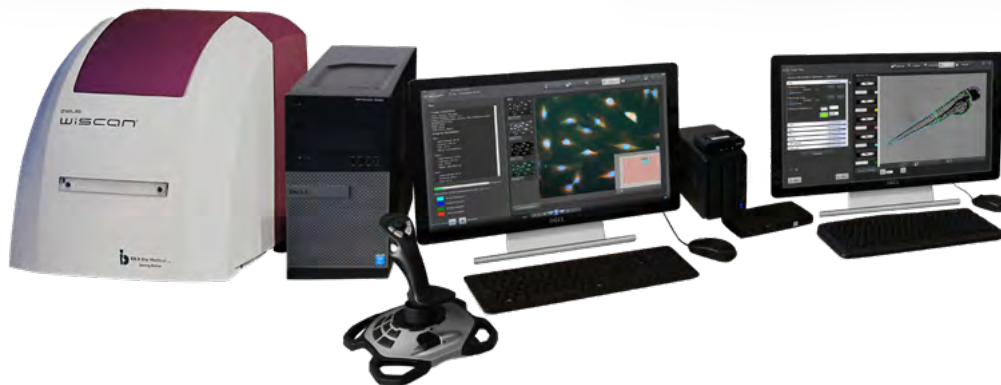
User-friendly interface and intuitive operation: Hermes and Athena boast a design that welcomes users of all backgrounds, providing easy training and independent operation.

All-in-One Platform with Automation Add-Ons

Comprehensive Solutions, Compact Size

IDEA Bio-Medical's automation add-ons elevate your research potential.

- ✓ A robotic arm for plate loading & unloading
- ✓ A 20-plate stacker with optional incubation
- ✓ A mobile, compact integration cart for Hermes and all components with <math><2\text{m}^2</math> footprint



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