



DATA SHEET

ImageXpress HCS.ai High-Content Screening System

Our fastest, most versatile, intuitive screening system yet –
delivering exceptional data quality for every lab!



The ImageXpress® HCS.ai High-Content Screening System captures your imagination with high-quality imaging and analysis, enabling you to acquire the data you need with ease. The system is configurable to match your requirements and can be upgraded as your research needs evolve. Empower your team to obtain high-definition images and robust data from a wide range of 2D and 3D cell assays, and leverage the power of AI for deeper insights.

KEY FEATURES

- Reimagined MetaXpress® Acquire Software for easier, faster image acquisition
- AI-powered IN Carta® Image Analysis Software seamlessly integrated into your workflow
- Six objective turret alongside optional magnification changer giving up to 12 effective levels of magnifications
- Easy switching between widefield mode and up to four confocal disc options
- Configurable system with a simple upgrade pathway to match your current and future research needs

ImageXpress HCS.ai models	Widefield	Confocal	Advanced
Illumination	5 color LED (up to 220 mW per channel)		7 color laser (up to 800 mW per channel)
Fluorophore compatibility	DAPI, FITC, TRITC, TxRed, Cy5, (CFP, YFP = optional)		DAPI, CFP, FITC, YFP, TRITC, TxRed, Cy5, Cy7
Confocal spinning disk	n/a	60µm pinhole (single) 60µm pinhole + 50µm slit (dual)	60µm pinhole (single) 60µm pinhole + 50µm slit (dual) 50µm pinhole Deep Tissue disk (dual)

**Bio-Science Kft.**

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