

InnoScan® 1100

3-Color ultra-high resolution scanners

Multiplexed whole-slide imaging

0.5µm pixel size, equivalent to 20x microscope magnification
 High sensitivity : high performance analogical PMTs
 3-color simultaneous confocal detection

Easy automation

Real-time autofocus or in-content focus system
 24-slide autoloader for high-throughput applications
 Automated image acquisition with Mapix software

Reliable and traceable results

Barcode reader
 Accurate control of acquired images
 Scanner supplied with a validation slide which verifies scanner performance



Image acquisition & analysis software



Autoloader 24 slides




InnoScan 1100

PIXEL SIZE	0.5 - 40µm		
LASER EXCITATION WAVELENGTH	488nm	532nm	635nm
COMPATIBLE FLUOROPHORES*	Cy2, FITC Alexa Fluor 458, Alexa Fluor 488	Cy3 Alexa Fluor 544, Alexa Fluor 555	Cy5, DRAQ 5 Alexa Fluor 647
LASER POWER	Adjustable (2 laser powers)		
LOADER CAPACITY	1 slide		
DETECTION TYPE	Real-time confocal with 3 analog photomultipliers (PMT)		
PMT GAIN	Adjustable from 0 to 100% (Linear from 1 to 100%)		
OPTICAL FILTER	7 position filter wheel** 1 standard fluorescence and 1 neutral density filter per channel; 5 additional filters on request		
FOCUS	Real-time autofocus Manual focus: offset adjustment 300 µm range, 1 µm increment		
SLIDE SIZE	Compatible with all standard microscope slides: 25-26 x 75-76 mm ² / 1" x 3" ; thickness: 0.9 - 1.2 mm		
SCANNING AREA	Adjustable up to 22 x 74 mm ²		
SCANNING SPEED	From 10 to 35 lines/second (l/s) 3.6 minutes per slide at 10 µm and 10.5min for an area 22x22 mm ² at 1µm		
DYNAMIC RANGE	> 10 ⁴ in normal mode or > 10 ⁶ in dynamic extension mode		
UNIFORMITY	> 95%		
BARCODE READER	Automatic barcode reading		
INTERFACE	Ethernet interface		
IMAGE FORMAT	TIFF (16-bit and 20-bit in dynamic extension mode)		
POWER SUPPLY	~ 100-240 VAC, 1.2 A, 50-60 Hz		
ACQUISITION SOFTWARE	MAPIX (image acquisition and spot quantification software)		
DIMENSIONS (LXDXH)	316 x 549 x 432 mm ³ 12.5" x 21.6" x 17.0"		
WEIGHT	30 kg (66.1 lbs)		

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LOADER CAPACITY	24 slides
DIMENSIONS (LXDXH)	322 x 656 x 439 mm ³ - 12.7" x 25.8" x 17.3"
WEIGHT	35 kg (77.1 lbs)



* Non exhaustive list, please contact us for more information about fluorophore compatibility
Please contact us for any additional information.

** Accordingly to excitation wavelength the emission filters can be chosen in the following ranges : 502.5-518.5 for the 488nm channel, 554-613 for the 532nm channel and 663-742nm for the 800nm channel.
Please contact us for any additional information.

Class I laser product for research use only
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Specifications subject to change without notice contact us for the most recent specifications