INNOPSYS LifeSciences

Fluorescence Scanners

InnoScan® 710-IR

2-Color near InfraRed microarray scanners

Increased sensitivity

NIR excitation lasers to avoid support background
Simultaneous confocal PMT detection
All nitrocellulose slide formats

Real-time autofocus

Optimized for nitrocellulose or PVDF substrates
Perfect homogeneity across the entire reading surface
Automated image acquisition with MAPIX software

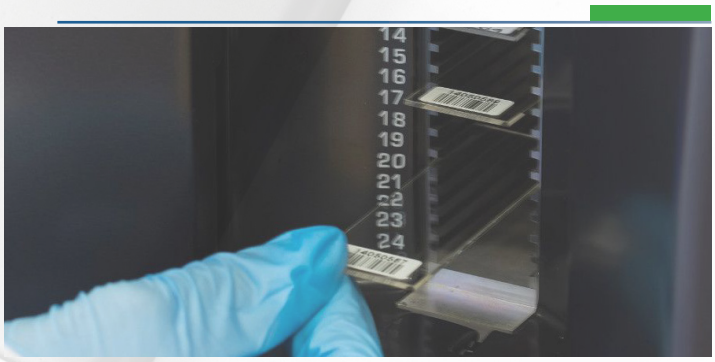
Adjustable reading speed

From 10 to 35 lines per second
Test results optained very quickly 3.6 minutes to read and entire slide with 10µm/pixel

Image acquisition & analysis software

mapix

Autoloader 24 slides



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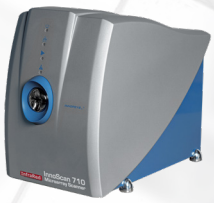
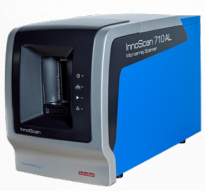
Technical specifications



InnoScan 710-IR

PIXEL SIZE	3 - 40µm	
LASER EXCITATION WAVELENGTH	670nm	785nm
COMPATIBLE FLUOROPHORES*	Alexa Fluor 700, Alexa Fluor 680 DyLight 680, IRDye 680	Alexa Fluor 790, DyLight 800, IRDye 800
LASER POWER	Adjustable (2 laser powers)	
LOADER CAPACITY	1 slide	
DETECTION TYPE	Real-time confocal with 2 photomultipliers (PMT)	
PMT GAIN	Adjustable from 0 to 100% (Linear from 1 to 100%)	
OPTICAL FILTER	1 standard fluorescent filter by detection channel	
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 a resolution of 10 µm/pixel for a simultaneous two-color acquisition	
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)	278 x 457 x 369 mm^3 10.8" x 18.0" x 14.5"	
WEIGHT	15.5 kg (34.2 lbs)	

InnoScan 710-IR AL



LOADER CAPACITY	24 slides
DIMENSIONS (LXDXH)	322 x 656 x 439 mm^3 - 12.7" x 25.8" x 17.3"
WEIGHT	31 kg (62 lbs)

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

Class I laser product for research use only
DecS 2019. PInnoScan710-IR
Specifications subject to change without notice contact us for the most recent specifications

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