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Mapix

Data acquisition and analysis of microarray images

Scanner Management

Compatible with a broad range of microarrays.
Optimized performance for all image size.
Highly interactive commands.
Image visualisation in real-time.
Customizable interface.

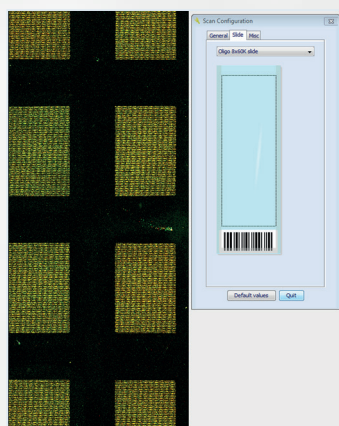
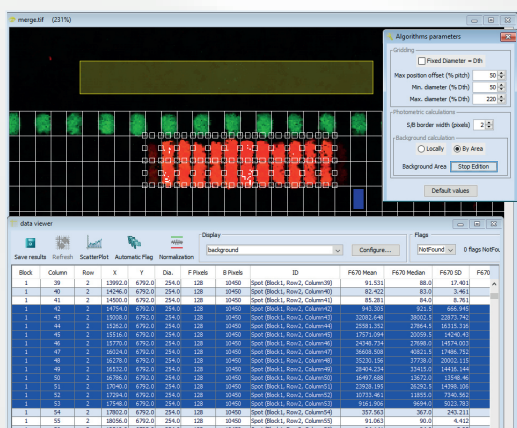


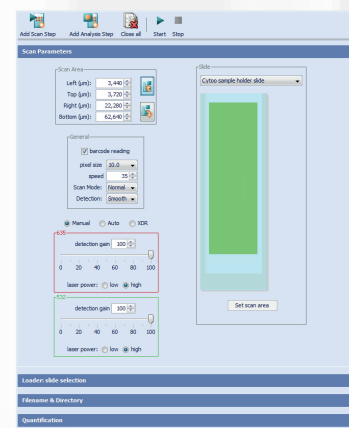
Image Analysis

Full correlation between displayed data, pictures and plots.
Precise control of acquired images.
Powerful feature segmentation (circular, rectangular, square or elliptical feature shapes)
Local or global background noise measurement



Automation

Efficient and flexible gridding compatible with most slide format.
Automatic flagging tools for quality control.
Batch processing up to 24 slides allows high-throughput applications.

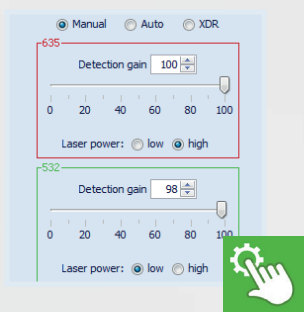


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Acquisition Mode

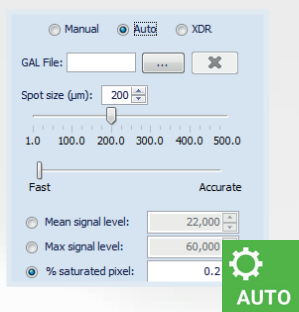
Manual

User adjusts parameters as laser power, intensity and detection gain for each wavelength.
Maximum adaptability.



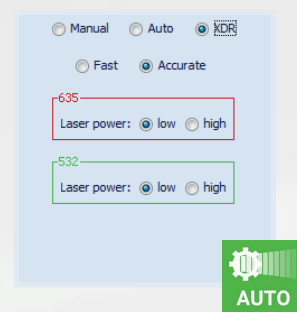
Automatic

User sets up specific target criteria such as signal level or saturation. Scan is automatically performed to meet the criteria set.
Optimal results are quickly and easily obtained.



XDR

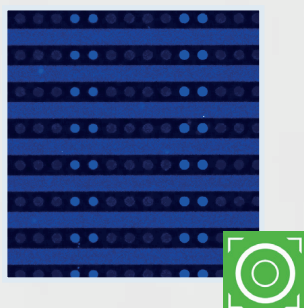
Extended Dynamic Range makes 20-bit images with a dynamic range of 6 logs.
Avoid saturation while keeping weak signals.
Recommended for heterogeneous signals samples.



Focus Mode

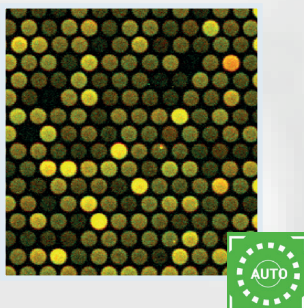
Fixed focus

Fixed focus position all along the scan.
User sets focus position according to the sample.
Useful for uneven supports such as microfluidic devices, electronic chips.



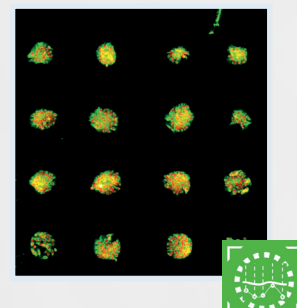
Real-time autofocus

Based on support reflectivity. Specific slide configurations available.
Follow the slide deformation and movement all along the scan.
Focus is done on the slide surface independently of the sample content.
Useful to scan flat slide for which fluorescence signals are on the slide surface.



Content-based focus

Based on slide content and Regions Of Interest (ROI).
Focus position is determined on one fluorescent wavelength.
Recommended for unconventional slides and non homogeneous sample such as CMA, TMA, Coverslip, Agarose gels...



Research use only
For informations concerning compatibility and minimal requirements, please contact us.
February 2021, PMapix.
Specifications subject to change without notice, contact us for the most recent specifications

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