

Infinitesima announces the next generation VideoAFM™

Infinitesima adds large sample capability to the VideoAFM™ bringing unprecedented flexibility to video-rate AFM imaging

Infinitesima Ltd., manufacturer of the VideoAFM™, announces the addition of a large sample capability to video-rate imaging. The VideoAFM produces real-time images at the nanometer resolution at 25 frames-per-second. The new capability allows AFM users to image a wider range of samples which are more familiar to AFM operation.

Dr. Andy Humphris, Chief Technical Officer of Infinitesima said, "The next generation VideoAFM brings unprecedented flexibility to the laboratory environment, combining standard samples sizes with the ease-of-use of video-rate Real-timeAFM™ imaging. We believe this new feature will be welcomed by the AFM community and have already seen our early customers showing great satisfaction."

Infinitesima has been testing the units with its early customers and there has been a great deal of positive feedback from the users. Dr. Jamie Hobbs of the University of Sheffield in the UK said, "A tip-scanning video-rate AFM like this is what we have been waiting for. Now we can combine the ability to follow processes and image large areas rapidly with our standard, well-characterized, sample preparation methods."

Data sheets and further information on the next generation VideoAFM can be found on the company's website.

VideoAFM™:

The VideoAFM is the first commercially available Atomic Force Microscope that is capable of delivering real-time images at video frame rates. Imaging 1000 times faster than conventional AFM's, the VideoAFM allows users to visualize and interact with chemical or biological processes, at the molecular level, in real time. The VideoAFM supplies up to 25 images per second with full resolution and is part of the High-speedAFM™ family of instruments from Infinitesima.

The VideoAFM is fast establishing an entirely new method of performing research in nanotechnology. The instrument allows researchers to operate an atomic force microscope much like an optical microscope, only at nanometer resolution.

The VideoAFM works in conjunction with existing AFM's without affecting the functionality of the microscope. The VideoAFM™ also allows large surface areas to be explored before selecting features of interest for a more detailed investigation.

Infinitesima:

Infinitesima is the developer and manufacturer of the VideoAFM and focuses on high-speed imaging techniques using atomic force microscopy, a key enabling tool in the field of Nanotechnology. The company is located in the Oxford Centre for Innovation in the historical city of Oxford in the United Kingdom.

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