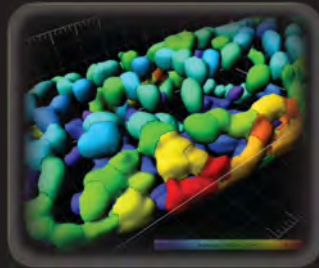


Solutions for Science and Industry

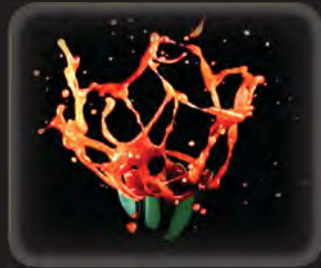
Nanotechnology



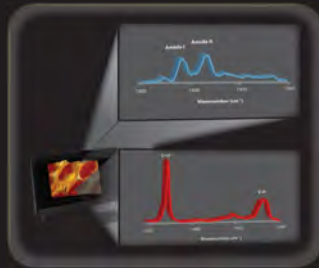
Image Analysis



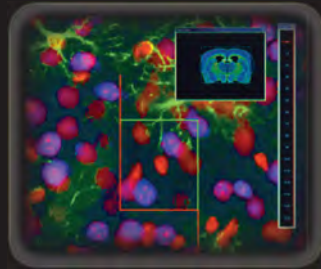
High Speed Imaging



Spectroscopy



Microscopy



Thermal Imaging



Imaging

Cameras

SciTech has been providing specialist imaging products and solutions to Industry and Science for over 22 years. This includes imaging solutions for UV, Visible, NIR, SWIR, MWIR and Xray applications. SciTech offers a wide range of cameras which include: CMOS, sCMOS, CCD, ICCD, EMCCD, InGaAs, InSb, MTC and QWIP sensors.

Contact us for expert advice for your imaging applications.

Key Products & Specification include:



Andor Technology PLC. Scientific, Microscopy, Spectroscopy & Xray



Product	Sensor Technology	Application	Resolution
iXon	EMCCD	Low Light, Fast	1MP, 512 x 512, 128 x 128
NEO	sCMOS	Low Light, Hi Res, High Speed	5.5MP
iKON	CCD	Low Light Imaging	1MP, 4MP
iStar	ICCD	Time Resolved	≤ 2048 x 512
Newton	CCD, EMCCD	Imaging & Spectroscopy	≤ 2048 x 512
iDUS	CCD, InGaAs	Spectroscopy	≤ 1024 x 512
iKON Xray	CCD, EMCCD	Xray	1MP, 4MP



PCO AG Scientific, Microscopy, PIV, High Speed & Intensified



Product	Sensor Technology	Application	Resolution
Pixelfly	CCD	Brightfield, Low Light	1.4MP
Sensicam	CCD	Brightfield, Low Light	1.4MP
pco. camera	CCD	Brightfield, Low Light	1MP, 2MP, 4MP, 11MP
HS Series	CMOS	High Speed	1.3MP
Dimax	CMOS	High Speed	4MP
Edge	sCMOS	Low Light, Hi Res, High Speed	5.5MP
DiCAM Pro	ICCD	Low Light, High Speed	1.4MP
HSFC Pro	ICCD	Low Light, Ultra High Speed	1.3MP



IDT Vision High Speed & PIV



Product	Sensor Technology	Application	Resolution
M Series	CMOS	High Speed	1MP, 1.3MP, 4MP
N Series	CMOS	High Speed	1MP, 1.3MP, 4MP
Y Series	CMOS	High Speed	1MP, 1.3MP, 1.5MP, 2MP, 4MP
HDiablo	CMOS	High Speed	1.3MP, HP, 4MP
M to Disk	CMOS	High Speed	1MP, 1.3MP, 4MP

Imaging

Cameras



Infratec GmbH Thermal Imaging & Thermography



Product	Sensor Technology	Application	Resolution
VarioCAM	Microbolometer	Thermal Imaging, Thermography	320 x 240, 384 x 288, 640 x 480, 768 x 576, 1024 x 960
VarioTherm	InSb	Thermal Imaging, Thermography	640 x 512
ImageIR	MTC, InSb, QWIP	Thermal Imaging, Thermography	320 x 256, 640 x 512



Jenoptik GmbH Microscopy



Product	Sensor Technology	Application	Resolution
CT Series	CMOS	Brightfield	3MP, 5MP
C Series	CCD	Brightfield	3.3MP, 5MP, 7MP
CF, MF Series	CCD	Brightfield, Fluorescence	1.4MP, 12MP
C14	CCD	Brightfield, Fluorescence	12.5MP, Color Co-Site Sampling



Lambert Instruments B.V. High Speed Intensified



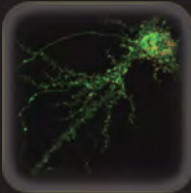
Product	Sensor Technology	Application	Resolution
HiCAM	Intensified + CMOS	High Speed (up to 100Kfps) + Low Light	1280 x 1024, 512 x 512
HiCATT	ICCD	High Speed Intensifier Attachment	
LiICAM	ICCD	Low Light Imaging	1.4MP



SPOT Imaging Solutions Microscopy (Brightfield and Fluorescence)



Product	Sensor Technology	Application	Resolution
IDEA	CMOS	Brightfield	1.3MP, 3MP, 5MP
Insight	CCD	Brightfield	2MP, 4MP
Flex	CCD	Brightfield, Fluorescence	4MP, 16MP
RT	CCD	Brightfield, Fluorescence	2MP
Pursuit	CCD	Brightfield, Fluorescence	1.3MP, 2MP, 4MP
Xplorer	CCD	Brightfield, Fluorescence	1.3MP, 2MP, 4MP



Andor Technology PLC. Revolution[®] XD

Andor Revolution[®] XD Live Cell Confocal Instrument combines their award winning iXonEM+ EMCCD cameras, solid-state laser combiner and the renowned Yokogawa CSU-X1 confocal scanner.

Revolution[®] DSD

White light Confocal Microscopy system.

An innovative white light Confocal Spinning Disk based on 'aperture correlation'. This technique ensures that the DSD delivers high contrast, low noise background images with objective magnifications from 10x to 100x, using air water or oil immersion lenses, making it suitable for a wide range of live cell and developmental applications.



Digital Microscope for Live-Cell Imaging

Till Photonics GmbH

iMIC

The iMIC Digital Microscope is the FASTEST, most FLEXIBLE and most PRECISELY controlled scientific imaging platform on the market.

- Compact, Modular and Convenient
- Multi Colour Fluorescence, TIRF, FRET, FRAP
- Structured illumination, 2 Photon Confocal
- 3D Spinning Disk Confocal System
- Built in Image Splitter for Ultra-Fast ratio imaging



Digital Stereology & Neuro-Anatomical Analysis



MBF Bioscience, Inc.

MBF produces a comprehensive family of software and integrated hardware products for Stereology, Neuron Reconstruction, Brain Mapping, 3D Serial Section Reconstruction, Densitometry and Virtual Slide Image Management.

Stereo Investigator

Count cells & quantify lengths, areas & volumes in tissue with the world's leading Stereology System.

NeuroLucida

Software for Brain Mapping, Neuron Reconstruction, Anatomical Mapping and Morphometry.

AutoNeuron

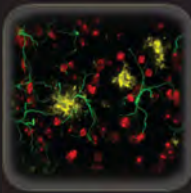
Automatically traces neurons from image stacks.

AutoSpine

Automatic detection & quantification of dendritic spines.

Densita

A fully integrated system for Autoradiography.

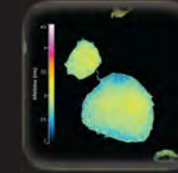


Fluorescence Lifetime Imaging Microscopy

Lambert Instruments B.V.

LIFA

The Lambert Instruments Fluorescence lifetime imaging microscopy attachment (LIFA) is a dedicated system that allows image acquisition and generation of lifetime images in a matter of seconds. The system can be simply attached to any wide field fluorescence microscope and is easy to operate.



CytoViva[™]

High Resolution Microscopy

CytoViva, Inc

The CytoViva[®] - Microscope System

Specifically designed to support research in nanotechnology and infectious disease. The CytoViva Microscope System employs a proprietary darkfield-based optical illumination technology, which dramatically improves contrast and signal-to-noise ratio.



Digital Pathology

3DHitech, Ltd.

Pannoramic Digital Slide Scanner

3DHitech Ltd have been developing and manufacturing hardware and software solutions for digital pathology and whole slide imaging since 1997. This includes the Pannoramic Digital Slide Scanner family which boasts the best image quality in the industry. Apart from ultrafast brightfield scanning, you can now combine brightfield and 9-channel fluorescent scanning in one machine. These compact units represent the most cost effective digital slide scanners in the market.



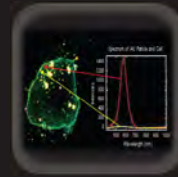
CytoViva[™]

Hyper Spectral Imaging

CytoViva, Inc.

CytoViva[®] - Hyperspectral Imaging System

The CytoViva Hyperspectral Imaging System (HSI) provides spectral analysis of materials and biological samples imaged with the CytoViva.



◆ Gooch & Housego

Gooch & Housego, Ltd.

HSi Imaging System

Capturing a series of images at many different wavelengths is done by using an acousto-optic tunable filter (AOTF) imaging module. It provides unmatched spectral flexibility and switching speeds. It is ideally suited for high-content, high-throughput fluorescence studies as well as spectral transmission and reflectance imaging.



3D/4D Image Analysis & Visualisation

Bitplane AG. Imaris

Available for Windows and Mac, Bitplane's Imaris software offers the most powerful and versatile 3D and 4D imaging analysis software solution on the market for researchers in life sciences, medicine and related fields. Some of the key modules include:

- Measurement Pro
- ImarisCell
- ImarisColoc
- ImarisTrack
- Filament Tracer
- ImarisBatch



Image Analysis & System Automation



Molecular Devices, LLC.

MetaMorph[®]

The MetaMorph[®] Software suite of products from Molecular Devices[®] has been an integral part of the bioresearch imaging community for more than 25 years and supports a vast array of microscopes, cameras, and precision stages. The extensive suite of imaging software provides acquisition, processing, and analysis features that allow researchers to build custom imaging systems for solving novel experimental problems in cellular imaging.



MediaCybernetics, Inc.

Image Pro Plus

Image Pro Plus analysis & processing software is used in scientific industries and includes the latest tools for scientific and industrial image analysis and image processing. Capture, process, measure, share, visualise and compare.

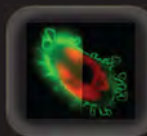


Deconvolution

MediaCybernetics, Inc.

AutoQuant

Media Cybernetics AutoQuant Deconvolution software assists you in retrieving better data from your images using the most complete suite of 2D and 3D algorithms available. It offers an advanced Blind Deconvolution algorithm which is both iterative and constrained.



Scientific Volume Imaging B.V.

Huygens Software

Discover the truth behind your image!!! Huygens software is tailored for doing Deconvolution of microscopic images. With Huygens Professional you can restore images without being a specialist on image restoration and optical theory.

Atomic Force microscopy for Bio & Nanoscience

JPK Instruments GmbH
NanoWizard® 3



- HyperDrive™ provides SuperResolution of soft samples in liquids.
- Unique integration with optical microscopy by tip-scanning design, DirectOverlay™ mode & smart engineering.
- Comprehensive force measurements from single molecules to living cells.

Force-Sensing Optical Tweezers

NanoTracker™

JPK unique tweezer technology for trapping and tracking particles from several μm down to 30nm. Unique force-sensing optical tweezers and particle tracking system.



For the First time, dual beam force-sensing optical tweezers seamlessly integrate on inverted optical microscopes combining advanced optical and confocal techniques including single molecule fluorescence in a small footprint, easy to use system.

Automated Force Spectroscopy

ForceRobot 300®

The Force Robot is an AFM based automated instrument for single molecule applications.



It provides time-saving automated force spectroscopy with optional temperature control and fluidics system. A dedicated batch data processing software is included.

Cellular Adhesion & Cytomechanics

CellHesion® 200

Based on AFM cantilevers, CellHesion allows the quantitative determination of cellular adhesion parameters with unparalleled accuracy and reproducibility.

AFM WORKSHOP

AFM Workshop

TT-AFM

The TT-AFM is an affordable AFM that meets the needs of researchers and educators with demanding requirements for performance and robustness.

The TT-AFM could be used by :

- Nanotechnology researchers that would like to do a routine scanning of nanostructures on surfaces.
- Instrument Innovators that want to expand an AFM platform for new experiments.
- Educators who wish to teach students AFM instrumentation, operation and applications.



Active Vibration Isolation

Accurion GmbH formerly Halcyonics

ACCURION
solutions for science



Active Vibration Isolation overcomes the limits of passive damping systems. Active Isolation enables researchers to get rid of disturbing vibrations caused by machinery, airconditioning systems, the shaking of buildings, vibrations caused by nearby traffic, etc.

Vibration Isolation starts from 1.0 Hz and is active until 200 Hz (and passive above 200 Hz).

Applications include, but are not limited to: Atomic Force Microscopy (AFM, SPM), Inverse Microscopy, CSLM, SNOM, Profilometry, Nanoindentry, Patch-Clamp Setups, Ultra-Precise Scales and many more.



APPNANO

Affordable Cantilevers for AFM/SPM

Applied NanoStructures, Inc.



Applied NanoStructures develops, manufactures, and supplies AFM/SPM probes for all applications and all major manufacturers: Highest Quality AFM probes & SPM probes for standard, advanced and customized applications made from silicon and silicon nitride. AppNano also supplies various nanostructures including MEMS and specialised SPM probes.

Image Processing for AFM / SPM & STM

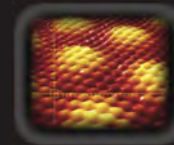
Image Metrology A/S

SPiP™

Image Metrology

SPiP™ software for image processing applications within semiconductor inspection, physics, material science, chemistry, biology, metrology and nanotechnology microscopes.

SPiP™ supports a variety of microscope types and their file formats including Scanning Probe Microscopes (SPM), interference microscopes, Scanning Electron Microscopes (SEM), confocal microscopes, optical microscopes and profilers.



nanoAnalytics

Analytical Techniques for Cell Biology

NanoAnalytics GmbH
cellZscope®

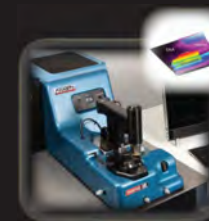


The cellZscope® is a device for measuring the transepithelial / endothelial impedance of cell layers under physiological conditions. It is computer-controlled and allows automated, long-term monitoring experiments with up to 24 different cell cultures simultaneously.

Nanoscale IR Spectroscopy

Anasys Instruments Corp.
NanoIR

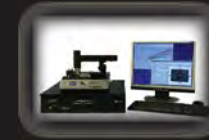
ANASYS
INSTRUMENTS



"IR Spectroscopy meets AFM". The nanoIR system combines the nanoscale spatial resolution capabilities of atomic force microscopy (AFM) with infrared spectroscopy's ability to characterize and identify chemical species.

Nanoscale Thermal Analysis

VESTA



The VESTA is the world's first "point and click" instrument for localized thermal analysis and transition temperature microscopy. This R&D100 Award winning technology uses a nanoscale thermal probe to locally heat samples to measure and map thermal transition temperatures and other thermal properties.

Nanofabrication Instruments

NanoInk, Inc.

NanoInk offers a wide range of nanofabrication instrument systems for applications ranging from nanoarray-based protein analysis to nanoengineering work to biomaterial research.



DPN 5000 System

The DPN 5000 System is a full-featured, dedicated instrument for versatile nanopatterning of a variety of materials with nanoscale accuracy and precision.

DPN 2000 System

NanoInk's NLP 2000 System is a user friendly and easy to operate desktop nanolithography platform that can create patterns of nano-to-micron-scale features using a wide variety of materials, including nanoparticles and biological molecules.



NanoArray Assay System

A fully integrated, nanoscale protein assay and analysis solution.

NanoArray Assay System is based on NanoInk's patented, tip-based Dip Pen Nanolithography® (DPN®) technology, which can create highly reproducible protein arrays over millimeter areas with nanometer precision and then fluorescently image these nanoarrays with 0.5μm resolution.

NANOINK INC.

Electrophysiology

Scientifica specialises in the manufacture of innovative, high quality equipment for electrophysiology researchers. Scientifica's products include micro-manipulators, stages and platforms, microscopes, complete rigs and various control options.

Ψ Scientifica



Micromanipulators

PatchStar & **Microstar** are an ultra stable, super smooth motorised micromanipulator. With X, Y, Z and a virtual approach axis the PatchStar and Microstar are perfect for a wide range of electrophysiological techniques including Patch Clamping, Sharp Electrode Recording, Microinjection, Stretch Testing and other procedures requiring delicate and long term positioning. They have less than 1µm drift over 2 hours.

Microscope for Electrophysiology

The **SliceScope** microscope is ideally suited for electrophysiological applications. It provides an ultra stable, compact & narrow platform while using the industry standard Olympus BX51/61-WI optics.

Gel Documentation & Biomolecular Imaging

Wealtec Corp.

Wealtec is a global life science manufacturer in the fields of functional genomics and proteomics applications. Manufactured products include routine laboratory apparatus, gel electrophoresis and blotting instruments, imaging systems, life science grade spectrophotometers and gene delivery systems.

The **Keta** and **Dolphin** Series from Wealtec are dedicated to chemiluminescence/ fluorescence and gel documentation applications for proteomics and genomics research. Wide linear range cooled CCD camera coupled with 1.4 and 4.0 megapixels resolution achieves ultimate performance which can satisfy most fluorescence and chemiluminescence applications.



Product Name	Resolution	Sensor Size	Cooling	Application
Dolphin-View	Video	1/2"	Ambient	Gel Documentation
Dolphin Doc Plus	1.4MP	1/2"	Ambient	
Keta G	1.4MP	1/2", 2/3"	Ambient, -30°C	Gel Documentation, Fluorescence & Chemiluminescence
Keta M	1.4MP, 4MP	2/3"	Ambient, -30°C, -40°C	
Keta C	1.4MP	2/3"	Ambient, -30°C, -40°C	

Spectroscopy Solutions



Andor Technology PLC.

Spectroscopy Solutions

Offering a powerful, intuitive modular approach to spectroscopy. Engineered from the outset with "ease-of-use" in mind, every Andor Spectroscopy system features a combination of market leading detectors and pre-aligned, pre-calibrated spectral instruments, seamlessly controlled through Andor's dedicated and intuitive Solis software platform.



Spectroscopy Detectors

Market leading Newton CCD & EMCCD, iDus CCDs, InGaAs PDAs, ICCDs and iXon EMCCDs for UV to NIR Spectroscopy.



Spectrographs / Spectral Instruments

Rugged, pre-aligned & pre-calibrated Czerny-Turner & Echelle spectrographs, for high-resolution UV plasma studies to NIR photoluminescence.



Microspectroscopy Solutions

The Andor Shamrock spectrograph wide-aperture slit accessory opens the door to a flexible and modular approach to Microspectroscopy.

Hyperspectral Imaging

Headwall Photonics Inc.

Spectrometers

Headwall Photonics is the leading designer and manufacturer of hyperspectral imaging sensors. Headwall's patented, aberration-corrected hyperspectral sensors provide users with an unparalleled imaging performance free of image distortion.



Raman Spectroscopy

Raman Imaging Spectrometers

The Raman Explorer family of integrated spectrometers are designed and optimized for Raman imaging applications.

Spectroscopy and Microscopy instruments

Intevac, Inc. - DeltaNu®

DeltaNu® is the pioneer and global leader in advanced, affordable, small footprint Raman Spectroscopy and Microscopy Instruments. Product portfolio includes:

- Portable Raman Spectrometers
- Benchtop Spectrometers
- Raman Microscopy Systems



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 Accurion GmbH
 AFM Workshop Ltd.
 Andor Technology PLC.
 Applied NanoStructures
 Bitplane AG
 Cairn Research Limited
 CoolLED
 CytoViva, Inc.
 Dage-Mti
 Deltanu - Intevac, Inc.
 Dolan-Jenner Industries
 Engineering Design Team
 Epix, Inc.
 FluxData, Inc.
 Gooch and Housego, PLC.
 Headwall Photonics, Inc.
 IDT
 Image Metrology A/S
 InfraTec GmbH
 Jenoptik AG
 JPK Instruments AG
 Lambert Instruments B.V.
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