

Andor Optical Module



Overview

Andor portfolio of CCD, EMCCD, InGaAs, ICCD and sCMOS cameras offer tailored solutions to particular sample or optical phenomena detection and characterisation challenges for Raman, Luminescence/Photoluminescence, Non-Linear or Optical Emission Spectroscopy/LIBS -based. Andor portfolio of CCD, EMCCD, InGaAs, ICCD and sCMOS cameras offer tailored solutions to particular sample or optical phenomena detection and characterisation challenges for Raman, Luminescence/Photoluminescence, Non-Linear or Optical Emission Spectroscopy/LIBS -based. Andor are global leaders in the development and manufacture of high performance scientific digital cameras, microscopy systems and spectrographs for academic, industrial and government applications. Through continuous dialogue with our customers and strong teamwork we continue to innovate. Andor CB2 is an ultra-high performance scientific camera integrating Sony sCMOS sensors specifically designed for research and applications requiring flexibility, speed and low. Andor's NEW BC43 Benchtop Confocal is a push-button imaging solution designed with cost, performance and accessibility. The Marana, CB2, and ZL41 Wave sCMOS cameras represent a significant advancement of the well-established CMOS technology for scientific applications. Thanks to their unique characteristics, they are well suited for a wide range of quantitative measurement tasks in physics and astronomy. Founded in 1989, the company's products play a central role in the advancement of research in the fields of life sciences. The ICCD (I ntensified C harge C oupled D evice) and sCMOS (s cientific C omplementary M etal O xide S emiconductor) cameras of the iStar series from Oxford Instruments Andor are characterized by scientific grade CCD and sCMOS sensors, fast gate electronics, and high-quality image intensifier. Andor portfolio of CCD, EMCCD, InGaAs, ICCD and sCMOS cameras offer tailored.

Article Content

Andor High Power Mosaic Lasers – SSL-HP Series

The Andor Mosaic® high performance laser diode modules (SSL-HP) have been created specifically to address the needs of high-end applications

ICCD & sCMOS Detectors for Plasma Diagnostics

Learn more about iStar intensified CCD cameras and how they exploit gain to overcome the read noise limit, while achieving very fast gate times.

Spectroscopy Solutions

Andor's portfolio for modular microspectroscopy includes C-mount compatible flanges, wide-aperture slit, modular cage systems and a range of microscope feet for optical height matching.

Spectroscopy Solutions

Andor's Mechelle 5000 spectrograph is based on the echelle grating principle with a patented optical design provides extremely low crosstalk and maximum resolution compared with other spectrographs.

Scientific Cameras & Spectrographs Products

Andor's portfolio of scientific cameras, spectroscopy platforms, microscopy systems and software products.

iStar 712 Series Time-Resolved ICCD

Ensures access to the accurate optical shuttering performance of the photocathode

Andor HoloSpec imaging spectrograph

The superb light collection efficiency capabilities of the superfast F/1.8 Andor HoloSpec spectrograph platform provides a perfect match to Andor's ultra-sensitive CCD, EMCCD and ICCDs detectors,

OEM Software

Explore our software tools for integrating with scientific hardware. Discover SDKs, GPU processing, super-resolution, and 3D/4D microscopy solutions.

Andor BC43

Application-specific modules in Imaris are available and include measurements suited to cell and developmental biologists, neuroscientists, and many other life sciences disciplines.

Scientific sCMOS Cameras for Life & Physical Science

Scientific sCMOS Cameras for Life & Physical Science Andor's Scientific CMOS camera portfolio for Life and Physical Science research delivers advanced

NIR and SWIR Spectroscopy

Explore non-invasive NIR & SWIR spectroscopy techniques revealing deeper insights into biological samples, reducing autofluorescence for accurate analysis,

sCMOS Camera Series

Sona is Andor's latest high performance sCMOS camera series, specifically for life science imaging applications. The new and enhanced Sona-6 Extreme is now

Andor Spectroscopy System | PT SERVIAM ABADIMURNI

Engineered from the outset with “ease-of-use” in mind, every Andor Spectroscopy system features a combination of market leading

Andor Technology

Andor Technology Ltd is a global developer and manufacturer of scientific cameras, microscopy systems and spectrographs for academic, government, and

Confocal Microscopy Imaging Systems

Confocal Microscopy Imaging Systems The most flexible confocal imaging systems available; from routine imaging to the most advanced techniques. Our game

sCMOS cameras for physical sciences Oxford

All Andor sCMOS cameras offer extremely low noise and high sensitivity, enabling them to deliver superior image quality—often even outperforming EMCCD

Spectroscopy Solutions

3. Accessories From gratings to fiber optics, sample chambers and filter wheels, each accessory allows seamless optimization of Andor detection system performance and easy integration into researchers

ICCD Cameras and detectors for time-resolved imaging

It is the detector of choice for use with Andor's Echelle spectrograph Mechelle 5000 for laser induced plasma and breakdown spectroscopy (LIBS). The iStar sCMOS

Oxford Instruments Learning Center

Andor CB2 sCMOS Series Andor iQ3 Andor Toran sCMOS Apogee 5500 Series Radiation Shielded X-ray Tube Apogee Alta Apogee Aspen Atomfab ALD AutoQuant AZtec - Free Upgrade to Suite 6.3

Spectroscopy Detection Solutions from UV to SWIR

Andor's modular spectroscopy platforms are designed to tackle analytical challenges from UV to SWIR, from macro- to nano-scale, with fluxes down to single photon

Scientific Cameras & Spectrographs Products

The game-changer in confocal microscopy - with the Andor Dragonfly you can image at an unrivalled, multi-modal combination of speed, sensitivity and confocality.

Service and Support

Andor's services range from maintenance and repair through to spare parts, upgrades and training. Let us bring our expertise and knowledge to you.

Overview of Andor Modular Solutions for

This article provides a description of several configurations for home-built micro-spectroscopy setups, including both upright and inverted microscopes.

Spectroscopy camera module

Find out all of the information about the Andor Technology PLC product: spectroscopy camera module iDus 420. Contact a supplier or the parent

Modular Raman Spectroscopy

Detection Solutions for Modular Raman Spectroscopy Our highly modular, high sensitivity spectroscopy solutions provide versatile research platforms that

Contact Us

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