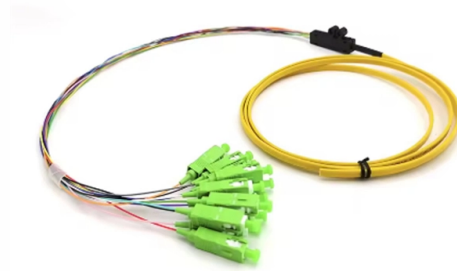


# Andor X-ray Spectrometer



## Overview

The Andor Shamrock SR-500i imaging spectrometer is based on Czerny-Turner optical design. The optimized optical design provides exceptional performance for multi-track Spectroscopy. Andor's range of highly versatile spectrographs provide high resolution, high throughput, high modularity, ease of use from the UV to the NIR and SWIR, from macro- to nano-scale, with fluxes down to single photon and time-resolution down to nanosecond. For this purpose, we offer back illuminated CCD and sCMOS sensors without anti-reflection coatings and micro-lens arrays. Deep thermoelectric cooling as. Andor's iDus InGaAs 492 array detector series provides the most optimized platform for Spectroscopy applications up to 2. The Shamrock 500i is available as a pre-aligned, pre-calibrated camera/spectrometer detection solution allowing for. Spectroscopy-based diagnostics in the fields of Material Science, Chemistry, Life Science or Fundamental Physics & Optics rely on the capture and analysis of optical and chemical signatures with a high degree of precision. Andor portfolio of CCD, EMCCD.

## Article Content

### Optical Spectrometers

We offer market-leading spectrometers like the Shamrock Series, a Czerny-Turner spectrometer for Raman spectroscopy, the Kymera Series, a Transmission

### Spectroscopy Solutions

Andor's new intelligent highly modular imaging spectrograph with Adaptive Focus and TruRes™ technology, ideal for a wide range of applications (e.g. material/nano-material science, chemical

### Cameras for X-Ray, Electron and Neutron Detection

Andor's portfolio of CCD, sCMOS and EMCCD cameras provide a wide range of high sensitivity, high dynamic range and fast detection solutions for table-top

### Calibrated Soft X-ray Spectrometer

Setup Fig. 1 Photograph showing the compact transmission grating spectrometer together with an Andor iDus X-ray CCD detector. The working principle of the soft

### Scientific Cameras, Microscopy Systems, Spectrographs

Andor are global leaders in the development and manufacture of high performance scientific digital cameras, microscopy systems and spectrographs for academic,

### Tools for X-Ray and Neutron Tomographic Imaging and

Tomography X-ray Solutions Whether you are looking at X-ray or neutron tomography, Andor has the right solution for you. Andor's cameras and highly

### Spectroscopy Solutions

Andor Spectroscopy Product Portfolio Engineered from the outset with ease-of-use in mind, every Andor spectroscopy system features a combination of market leading detectors and spectral instruments,

### Solis Software | Image Capture & Analysis Software

Imaging, time-resolved & spectroscopy software package with an extensive built-in programming language, designed to simplify even the most complex operations.

### Spectrometers from Andor Technology

Spectrometers from Andor Technology are listed on GoPhotonics. We have compiled a list of Spectrometers from the Andor Technology website/catalog and made their products searchable by

### Spectroscopy Resolution and Wavelength Calculator

Andor's spectroscopy Resolution Calculator allows you to calculate the resolution, bypass and dispersion values for an available configuration. Check it out now.

#### Solis I (Image Capture)

The Andor Solis (i) software platform is designed for image capture and analysis and is used in a wide range of scientific fields including fluorescence imaging, Bose

#### Shamrock 750 Spectrograph

The Andor Shamrock SR-750 is based on Czerny-Turner optical design. The Shamrock is available as a pre-aligned detector/spectrometer option allowing for

#### Stand-alone X-ray cameras Oxford Instruments Andor

With the iKon SY and Newton SY Andor offers detector solutions for soft X-ray detection under ambient conditions ("in-air"). These sensors with square imaging

#### A soft X-ray spectrometer at the Advanced Light Source

This article describes the components of the soft X-ray spectrometer at the Advanced Light Source and practical applications for RIXS and XES.

#### Andor launches Balor-X

Andor Technology (Andor), an Oxford Instruments company and world leader in scientific imaging and spectroscopy solutions, today announced

#### Andor Technology, plc

Andor's X-ray detector range features a wide range of direct/indirect detection options on the Newton and iKon platform. Facility Andor's purpose-built

#### Shamrock 500i Spectrograph

The Andor Shamrock 500i imaging spectrometer is the latest addition of the Andor family of spectrometers based on Czerny-Turner optical design. The optimized

#### Andor Technology

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

#### Kymera 328i Spectrograph

The unmatched configurability and highly intuitive user interface make it the perfect platform for a wide range of routine and more advanced spectroscopy

#### Shamrock 500i Spectrograph

The Andor Shamrock SR-500i imaging spectrometer is based on Czerny-Turner optical design. The optimized optical design provides exceptional performance for

CCD and sCMOS cameras for direct detection Oxford

Besides their standard use as imaging devices CCD and sCMOS sensors are also suitable for the direct detection of VUV, EUV light and soft X-rays. For this

Andor Technology, plc

Andor Technology, plc is a world leader in the manufacturing of high performance VUV to SWIR modular spectroscopy detection solutions.

OXFORD ANDOR research spectrometers

Discover the research spectrometer product range of OXFORD ANDOR. Contact the manufacturer directly.

Scientific CMOS, EMCCD & CCD Research Cameras

X-Ray, Neutron, EUV Detection Cameras Andor's range of CCD, sCMOS and EMCCD detectors and cameras provide a wide range of high sensitivity, high

## Contact Us

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