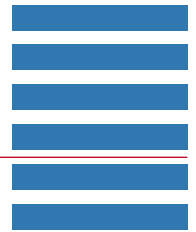
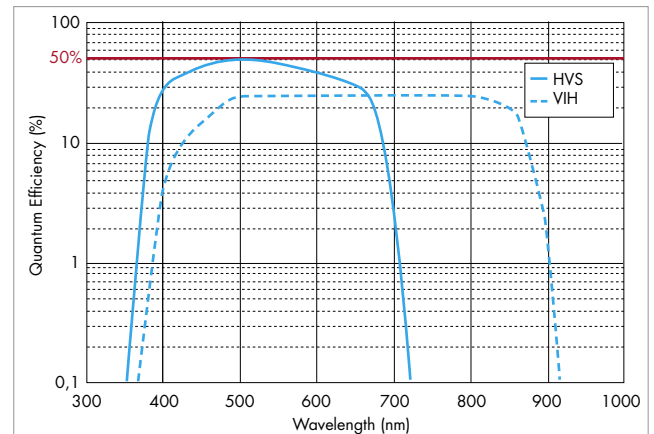


Revolutionäre iStar ICCD Detektoren mit 50% Quanteneffizienz



Revolutionäre neue iStar ICCD-Detektoren mit 50 % Quanteneffizienz!

Die iStar-Kameras sind die ersten kommerziellen ICCD-Detektoren der Welt, die eine effektive Quanteneffizienz von 50 % erreichen. Während bisher der Ionenschutzfilm auf der MCP (Micro Channel Plate) die effektive Quanteneffizienz deutlich verringerte, setzt ANDOR als erster Hersteller 3. Generation Bildverstärker ohne Ionenschutzfilm ein. Die Lebensdauer wird dadurch nicht beeinflusst.



Pressemitteilung: Andor Launch Revolutionary New iStar ICCD with 50 % QE

SPIE, 6th July 2002, Seattle, USA

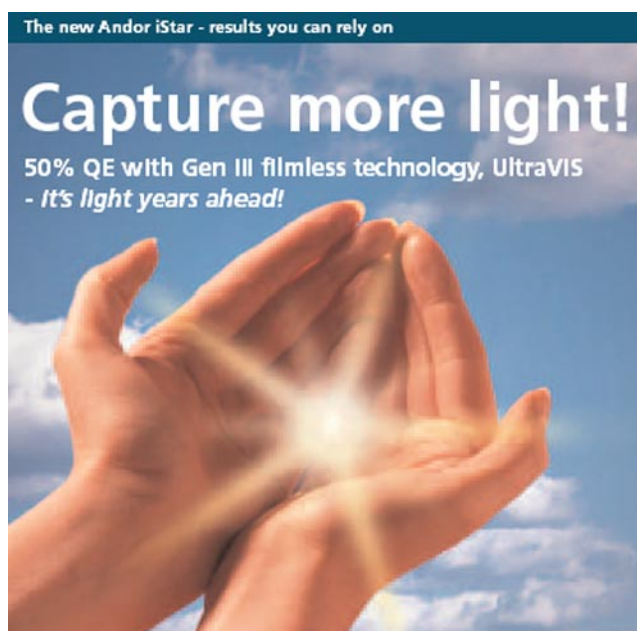
Andor Technology announce the launch of an exciting new iStar ICCD with 50% Quantum Efficiency (QE) using Gen III filmless technology - UltraVIS. This revolutionary ICCD is the first of its kind ever to be commercially available.

A radical advance in ICCD development, Gen III filmless technology, UltraVIS, eliminates the film (ion barrier protection) at the MCP, to deliver superior QE. Where traditional Gen III technology put limits on effective QE, this barrier has now been removed, with no effects on lifetime. With Andor's new iStar, 50% QE becomes a reality – what you see is what you get.

As well as 50% QE, the iStar also boasts additional benefits with gating times of <2 ns, shortest propagation delay available and wireless remote control for simple operation. These features will benefit any photon starved, time resolved application.

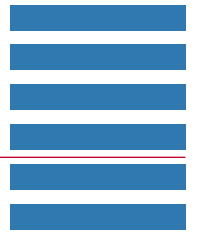
Using innovative design, the iStar delivers the only available Digital Delay Generator (DDG) actually built into the head, while remaining the most compact family of ICCDs on the market. The ultra compact head eliminates the need for an external controller box, requiring only a single PCI controller card to run the system.

This latest addition to the iStar range demonstrates the company's engineering expertise and continuing commitment to ICCD development. The iStar's cutting edge technology makes it the most advanced ICCD on the market today, offering the ultimate in spectroscopy performance.



- UltraVIS - 50% QE using Gen III filmless technology
- Less than 2 ns gating
- Lifetime comparable to any filmed Gen III or Gen II tube

This latest iStar ICCD is a revolutionary advance from traditional Gen III ICCDs. New filmless Gen III technology, UltraVIS, removes the film (ion barrier) at the MCP, resulting in superior QE levels. With this new, exciting UltraVIS technology, 50% QE becomes a reality - what you see is what you get.



Weitere Informationen

Ausführliche Informationen zu den iStar ICCD-Detektoren finden Sie im Artikel „[Hochempfindliche Spektroskopie mit ns-Zeitauflösung \(PDF, 68 KB\)](#)“ und in den Datenblättern:

[DH720 \(PDF, 70 KB\)](#)

[DH720 Gen 3 \(PDF, 223 KB\)](#)

[DH720 Gen 3 \(Filmless\) \(PDF, 209 KB\)](#)

[DH734 \(PDF, 70 KB\)](#)

[DH734 Gen 3 \(PDF, 205 KB\)](#)

[DH734 Gen 3 \(Filmless\) \(PDF, 209 KB\)](#)

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