

EHD IMAGING GMBH

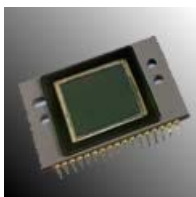
SciCam

Compact TE-cooled Digital Imaging System

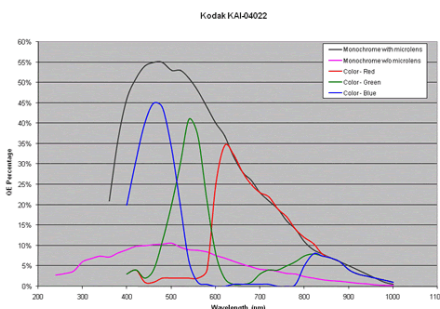
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Typical Spectral Response:



Lens optional

SC4022

The SciCam is smaller and lighter-weight than the competition, but outperforms them in key areas such as noise, frame quality, download speeds, bit-depth, and CCD cooling.

Typical performance and features include:

- max. -60° C Sustainable Cooling
- max.12 Million Pixels/Second Fast Download Speed
- Electronic Shutter Configuration
- Small Footprint (94 x 94 x 127mm)
- Liquid or Air Cooled Cooling Available
- RBI annihilator standard

Typical Applications:

- X-ray Applications
- Astronomical Imaging
- Scientific Imaging
- Medical Applications
- Forensic

- Sensor Hermetically sealed
- Argon filled sensor chamber
- Small Form Factor
- High Download Speeds
- ROI and Binning
- Best cooling performance
- Internal Frame Buffer
- USB2.0 Interface
- Binning and overscan
- Low noise, 16 Bit ADC
- F-Mount lens Interface

Specifications: SC4022

CCD Sensor:	Kodak KAI-4022
CCD Type:	Interline Transfer
Array size:	2048 x 2048
Color/monochrome:	monochrome or color
Coating	AR coating
Pixel size	7,4 μ m
Sensor Diagonal	21,4 mm
Linear Full Well	40.000 e ⁻
Anti Blooming	none
Peak Quantum Efficiency	55%
Camera Specifications:	
Interface	USB2.0
Digital Resolution	16 Bit
Max. Download Speed	12 MHz
Typ. System noise	8e ⁻ rms @ 1 MHz
Typ. Max. Cooling Temp.	55°C below Ambient
Binning (user-defined)	X x Y ; 0-255 x 0-255
Temp. Stability	0.1°C
CCD to Flange Distance	24,96mm
Operating Environment	-30°C to +45°C;
Power	12V
Shutter	Electronic Shutter
Remote Triggering	Yes
Min/Max Exposure time	80 μ s - ∞
Optical lens Interface	Nikon F-Mount Bayonet (46,5mm Backfocus)