

EHD IMAGING GMBH

# SciCam-UV

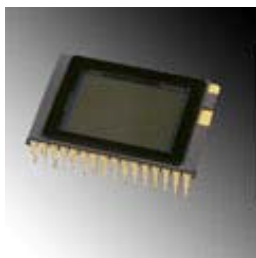
*Compact TE-cooled Digital Imaging System*



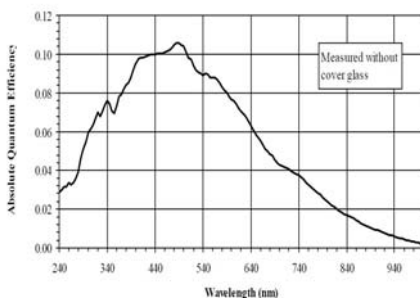
## EHD IMAGING GMBH

Zum Rennplatz 15  
D-49401 Damme

Telefon: 05491/2090  
Fax: 05491/2098  
E-Mail: info@ehd.de



**Typical Spectral Response:**



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:

- -65 deg C Sustainable Cooling
- 12 Million Pixels/Second Fast Download Speed
- Multiple Shutter Configurations Available
- Small Footprint (3.7 x 3.7 x 5in.)
- Liquid or Air Cooled Cooling Available
- RBI annihilator standard

### Typical Applications:

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

## SC4022-UV

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

## Specifications: SC4022UV

<b>CCD Sensor:</b>	Kodak KAI-4022 w/o Microlenses
<b>CCD Type:</b>	Interline
<b>Array size:</b>	2048 x 2048
<b>Color/monochrome:</b>	Monochrome w/o cover slip
<b>Coating</b>	None
<b>Pixel size</b>	7,4 $\mu\text{m}$
<b>Sensor Diagonal</b>	21,4 mm
<b>Linear Full Well</b>	40.000 e <sup>-</sup>
<b>Anti Blooming</b>	300X
<b>Peak Quantum Efficiency</b>	11%-
<b>Camera Specifications:</b>	
<b>Interface</b>	USB2.0
<b>Digital Resolution</b>	16 Bit
<b>Max. Download Speed</b>	12 MHz
<b>Typ. System noise</b>	8e <sup>-</sup> rms @ 1 MHz
<b>Typ. Max. Cooling Temp.</b>	60°C below Ambient
<b>Typ. Dark current</b>	
<b>Temp. Stability</b>	0.1°C
<b>CCD to Flange Distance</b>	24,96mm
<b>Operating Environment</b>	-30°C to +45°C;
<b>Power</b>	12V
<b>Shutter</b>	42mm
<b>Remote Triggering</b>	Yes
<b>Shutter MTBF</b>	200.000 cycles