

EHD IMAGING GMBH

# SciCam

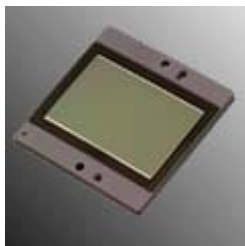
*Compact TE-cooled Digital Imaging System*



## EHD IMAGING GMBH

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### Typical Spectral Response:

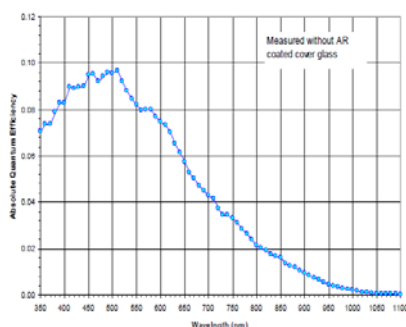


Figure 4: Monochrome without Microlens Quantum Efficiency

### Electronic Shutter

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:

- dT=60 deg C cooling below ambient
- 12 MHZ A/D converter
- Multiple Shutter Configurations Available
- Small Footprint (94 x 94 x 121,3 mm.)
- Liquid or Air Cooled Cooling Available
- RBI annihilator standard

### Typical Applications:

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

## SC08050-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: SC08050M-UV

<b>CCD Sensor:</b>	KAI-08050, no microlens, no cover slip
<b>CCD Type:</b>	Interline Progressive Scan
<b>Active Pixel:</b>	3296 x 2472
<b>Color/monochrome:</b>	monochrome
<b>Coating</b>	none
<b>Pixel size</b>	5,5µm
<b>Sensor Diagonal</b>	22,66 mm, 4/3" optical Format
<b>Linear Full Well</b>	20.000 e <sup>-</sup>
<b>Anti Blooming</b>	300X
<b>Peak Quantum Efficiency</b>	50%
<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>	10e <sup>-</sup> rms @ 12 MHz
<b>Typ. Max. Cooling Temp.</b>	60°C below Ambient
<b>Typ. dark current</b>	<0.006e/pixel/s @ -25°C
<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>	Electronical Shutter
<b>Remote Triggering</b>	Yes
<b>Lens Mount capability</b>	F-Mount ( optional )