

EHD IMAGING GMBH

SciCamPro

Compact TE-cooled Digital Imaging System

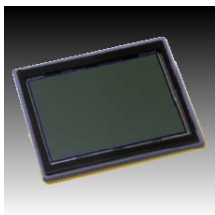


Lens optional

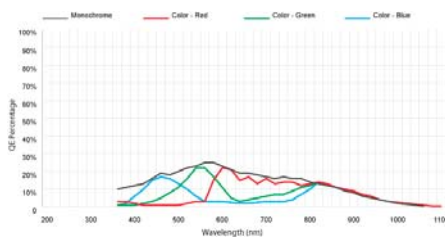
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Typical Spectral Response:



ProLine 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:

- -50 deg C Sustainable Cooling
- 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

SCP50100

- 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
- Cooling down within 5 minutes to maximum

Specifications: SCP50100

CCD Sensor:	Kodak KAF50100
CCD Type:	Frontilluminated
Array size:	8304 x 6220
Color/monochrome:	Monochrome or color
Coating	None
Pixel size	6 μm
Sensor Diagonal	61,3 mm
Linear Full Well	40.300 e ⁻
Anti Blooming	800X
Peak Quantum Efficiency	25%
Camera Specifications:	
Interface	USB2.0
Digital Resolution	16 Bit
Max. Download Speed	14 MHz
Typ. System noise	9-10e ⁻ rms @ 1 MHz
Typ. Max. Cooling Temp.	50°C below Ambient
Binning (User defined)	X x Y ; 0-255 x 0-255
Temp. Stability	0.1°C
CCD to Flange Distance	30,23mm
Operating Environment	-30°C to +45°C;
Power	12V
Shutter	65mm Vincent Shutter
Remote Triggering	Yes
Typ. dark current	0.07e ⁻ /pixel/s @ -25°C
Optical lens Interface	TBD