

EHD IMAGING GMBH

SciCam-UV

Compact TE-cooled Digital Imaging System



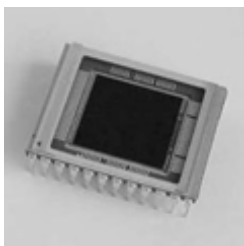
Color of housing optional; standard black

SC4710-1-UV

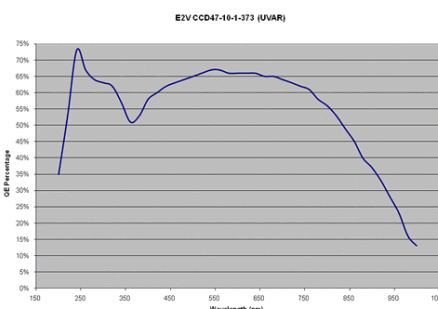
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Zum Rennplatz 15
D-49401 Damme

Phone: +49-5491-2090
Fax: +49-5491-2098
E-Mail: info@ehdimaging.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:

- -55 deg C Sustainable Cooling
- Fast Download Speed
- Multiple Shutter Configurations Available
- Small Footprint (94 x 94 x 121.3mm)
- 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
- Best cooling performance
- Internal Frame Buffer
- USB2.0 Interface
- Binning and overscan
- Low noise, 16 Bit ADC

Specifications: SC4710-1-UV

CCD Sensor:	e2v CCD4710-UVAR, Grade 1
CCD Type:	Backilluminated
Array size:	1024 x 1024
Color/monochrome:	monochrome
Coating	UVAR Coating
Pixel size	13 μm
Sensor Diagonal	18,8 mm
Linear Full Well	100.000 e ⁻
Anti Blooming	none
Peak Quantum Efficiency	67%
Camera Specifications:	
Interface	USB2.0
Digital Resolution	16 Bit
Max. Download Speed	700 KHz, 2 MHz (up to 4 MHz available)
Typ. System noise	11e ⁻ rms @ 700KHz; 14e ⁻ rms@ 2MHz
Typ. Max. Cooling Temp.	60°C below Ambient
Typ. Dark current	<0.1 e/pixel/s @ -40°C
Temp. Stability	0.1°C
CCD to Flange Distance	24,96mm
Operating Environment	-30°C to +45°C;
Power	12V
Shutter	25mm; High Speed; 6ms or 45mm
Remote Triggering	Yes