

EHD IMAGING GMBH

# SciCam-UV

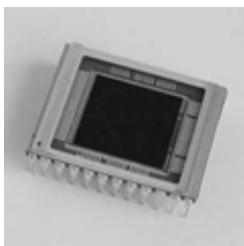
*Compact TE-cooled Digital Imaging System*



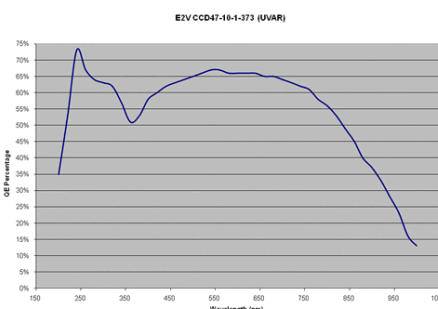
## EHD IMAGING GMBH

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### Typical Spectral Response:



## SC4710-1-UV

SciScan 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

- 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

<b>CCD Sensor:</b>	e2v CCD4710-UVAR, Grade 1
<b>CCD Type:</b>	Backilluminated
<b>Array size:</b>	1024 x 1024
<b>Color/monochrome:</b>	monochrome
<b>Coating</b>	UVAR Coating
<b>Pixel size</b>	13 $\mu\text{m}$
<b>Sensor Diagonal</b>	18,8 mm
<b>Linear Full Well</b>	100.000 e <sup>-</sup>
<b>Anti Blooming</b>	none
<b>Peak Quantum Efficiency</b>	73%
<b>Camera Specifications:</b>	
<b>Interface</b>	USB2.0
<b>Digital Resolution</b>	16 Bit
<b>Max. Download Speed</b>	4 MHz
<b>Typ. System noise</b>	10e <sup>-</sup> rms @ 1 MHz
<b>Typ. Max. Cooling Temp.</b>	55°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