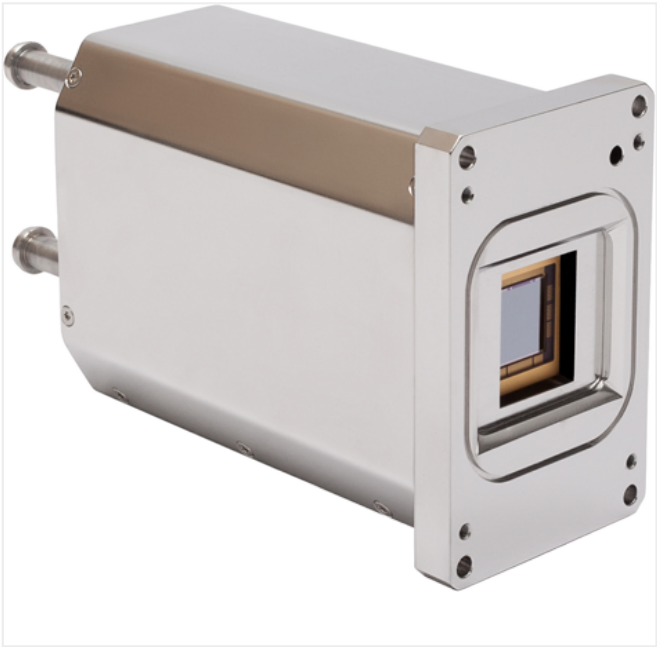


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GE-VAC 1024 1024 BI UV1



This highly sensitive, cooled in-vacuum cameras are equipped with ultra-low noise 16-bit readout electronics and perfectly suited for spectroscopy and imaging applications in the VUV, XUV and X-ray range up to 20 keV. The CCD detectors deliver spectra and images with outstanding dynamic range. To find the best solution for your application, greateyes offers different sensor technologies with quantum efficiencies up to 98%.

More Views



| | |
|-------------------------------|--|
| Image area | 13.3 mm × 13.3 mm |
| Pixel format | 1024 × 1024 pixels |
| Pixel size | 13 μm × 13 μm |
| CCD sensor cooling | Min. -80°C to 20°C, liquid cooling |
| Gain | High: 1.0 counts/e- Low: 0.4 counts/e- |
| Data link | USB, Gigabit Ethernet |
| Distance flange - focal plane | 10.0 mm |
| Dimensions (H x W x L) | 10.0 cm (3.94") x 6.2 cm (2.44") x 13.2 cm (5.20") |
| Weight (g) | 2300 |
| CCD sensor type | Back-illuminated, enhanced process |
| Full well capacity | 100 k e- |

Description

Features

Description

This highly sensitive, cooled in-vacuum cameras are equipped with ultra-low noise 16-bit readout electronics and perfectly suited for spectroscopy and imaging applications in the VUV, XUV and X-ray

range up to 20 keV. The CCD detectors deliver spectra and images with outstanding dynamic range. To find the best solution for your application, greater eyes offers different sensor technologies with quantum efficiencies up to 98%.

Features

- Up to 96% quantum efficiency, VUV to X-ray range
- Back-illuminated CCD
- Excellent QE in the EUV and soft X-ray

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