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 GE-VUV 1024 1024 BI UV1

## GE-VUV 1024 1024 BI UV1



This series of highly sensitive, cooled cameras with vacuum flange is equipped with ultra-low noise 16-bit readout electronics and perfectly suited for spectroscopy and imaging applications in the VUV, EUV 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 various flange types and 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. -100°C to 20°C, forced air or liquid cooling
Gain	High: 1.0 counts/e- Low: 0.4 counts/e-
Data link	USB, Gigabit Ethernet
Distance flange - focal plane	19.6 mm for CF DN63
Dimensions (H x W x L)	8.7 cm (3.43") x 6.2 cm (2.44") x 12.3 cm (4.84")
Weight (g)	2300
CCD sensor type	Back-illuminated, enhanced process
Full well capacity	100 k e-

### Description

### Features

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bit readout electronics and perfectly suited for spectroscopy and imaging applications in the VUV, EUV 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 various flange types and 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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