

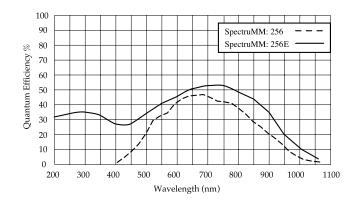
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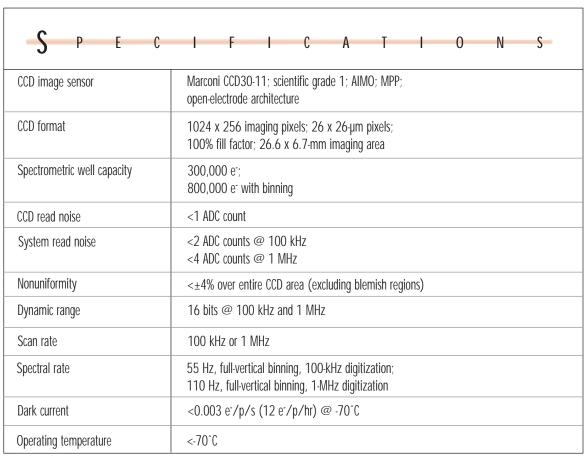
The SpectruMM 256E is a high-performance digital camera system featuring the industry-standard CCD for spectroscopy. The SpectruMM:256E has a novel architecture that offers exceptional quantum efficiency for a front-illuminated detector, especially in the ultraviolet (UV). The 256 sensor, available in the SpectruMM HP series system, offers deep thermoelectric cooling to below -70°C, ensuring that dark current is effectively nonexistent for most analyses. With its excellent response from the vacuum UV to the near infrared (NIR), this workhorse detector is ideal for a variety of single- and multistripe spectroscopy applications.

F E A T U R E S	BENEFITS
Open-electrode architecture	Delivers high QE and sensitivity from the UV to the NIR with no etaloning
Industry-standard 1024 x 256 imaging array	Spectroscopic format Provides full coverage of spectrometer focal plane
26 x 26-µm pixels	Large pixels with high full well for high signal-to-noise ratio
6.7-mm-tall imaging area	Performs well for both single- and multistripe spectroscopy
Optional dual digitizers	High speed delivers rapid spectral acquisition Low noise provides the best signal-to-noise ratio
Deep thermoelectric cooling	Provides cooling to below -70°C Dark current effectively minimized
Lowest noise CCD available	Ideal for extreme low-light measurements









Note: Specifications are typical and subject to change.



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## Roper Scientific / Acton Research Product Literature Data Sheets

## **Brochures**

SpectraPro monochromators

Spectrum Acquisition Systems

Spectroscopy accessories

Guide to system configuration



Gratings

CCD Chips

*GS 1024 x 128 Front* 

GS 1024 x 128 Back

GS 1024 x 256 Front

GS 1024 x 256 Back

S 1340 x 100 Front

S 1340 x 100 Back

S 1340 x100 Red

S 1340 x 100 Back Red

S 1340 x 400 Front

S 1340 x 400 Back

S 1340  $\chi$  400 Red

S 1340 x 400 Back Red

S 1024 x 256 Front

S 1024 x 256 Open Elect.

S 1024 x 256 Back