SpectruMM:256B Acton Research 1024 x 256 imaging array 26 x 26-µm pixels Т

The SpectruMM:256B is a high-performance digital camera system featuring the industry-standard CCD for spectroscopy. With its back-illuminated CCD, this detector has high quantum efficiency from the UV to the NIR. The 256B 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. The SpectruMM:256B delivers sufficient sensitivity and dynamic range to be an excellent workhorse detector in a variety of single- and multistripe spectroscopy applications.

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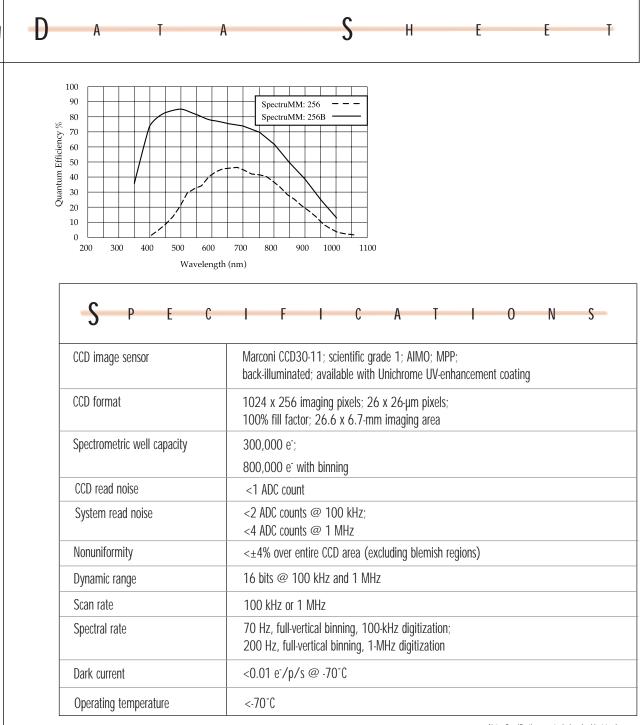
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F E A T U R E S	BENEFITS
Industry-standard 1024 x 256 imaging array	Spectroscopic format Provides full coverage of spectrometer focal plane
26 x 26-µm pixels	Large pixels with high full well for high signal-to-noise ratio
6.7-mm-tall imaging area	Performs well for both single- and multistripe spectroscopy
Back-illuminated CCD	Provides unparalleled sensitivity and quantum efficiency
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 in back-illuminated format	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

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 x 400 Red

S 1340 x 400 Back Red

S 1024 x 256 Front

S 1024 x 256 Open Elect.

S 1024 x 256 Back

Brochures

SpectraPro monochromators

Spectrum Acquisition Systems

Spectroscopy accessories

Guide to system configuration

