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TECHNOLOGY GROUP

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Full-service, independent repair center
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We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

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so your equipment works exactly as you specify.

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Expert team | Trust guarantee | 100% satisfaction

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PHOTON IS OUR BUSINESS

EM-CCD cameras



EM-CCDs revolutionized low-light imaging with on-chip amplification. Even with advances in CMOS, EM-CCD cameras with large pixels and back-thinned sensitivity are the best choice for extremely low-light, low-background applications. Refined over numerous generations for superior usability, these cameras offer fine control of camera features and image quality.

Product lineup | Features | Applications | Application examples | Related documents

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2 products

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ImagEM X2 EM-CCD camera: C9100-23B

Electron Multiplying CCD camera with back-thinned type EM-CCD. The heavy cooled (-100 ℃) high sensitive camera realizes 512×512 pixel read out speed of 70 frames second.

Catalog 1.0 MB/PDF

Effective no. of pixels	Fastest readout speed	EM gain
512 (H)×512 (V)	70 frames/s	4× to 1200×

Readout noise
8 electrons



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ImagEM X2-1K EM-CCD camera: C9100-24B

Electron Multiplying CCD camera with back-thinned type EM-CCD. The heavy cooled (-80 ℃) high sensitive camera realizes 1024×1024 pixel read out speed of 18.5 frames second.

Catalog 1.0 MB/PDF

Effective no. of pixels	Fastest readout speed	EM gain
1024 (H)×1024 (V)	18.5 frames/s	10× to 1200×

Readout noise

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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