

Global Security (GS)

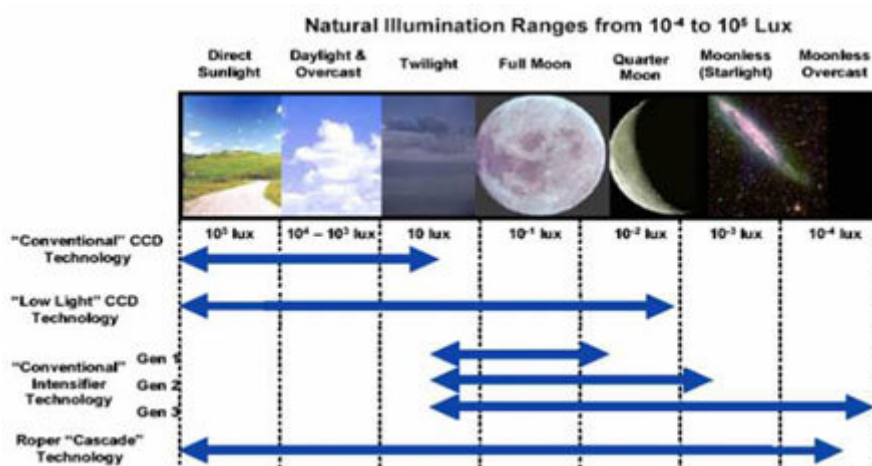


As the first company to integrate a high-resolution 1k x 1k electron-multiplied CCD device into an ultra-high sensitivity, "high value asset" surveillance camera, PI/Acton delivers true day / night application global security optics without compromise. Our global security camera system is ideally suited to airborne, marine and ground-based security and surveillance applications.

EMCCD technology has the unique ability to image detail over a very wide dynamic range of lighting conditions, from 'full sunlight' through 'moonless night'. It offers unparalleled 1k x 1k resolution, up to 30fps, with sensitivity in excess of current Gen III night-vision cameras without any inherent drawbacks.

PI/Acton's GS series of 'night-n-day' video camera systems are aimed at the high-end 24/7 performance requirements demanded by today's original equipment manufacturers (OEM) and system integrators. They have proven reliability, stability and superior image quality backed by PI/Acton, the world's leading scientific camera designer.

How the GS1000 System Compares



GS Series EMCCD Benefits

- Bright daylight to starless night sensitivity in a single camera head.
- Mega-pixel resolution.
- Intra-image features enable shadow details regardless of surrounding light intensities.
- Temporal / spatial averaging post processing for further image-enhancement.
- Noise management enhances overcast starlight imaging.
- Digital control and output.
- Flexible OEM / System-Integrator customization and configuration.
- CCD quality video in daylight.
- AGC gives smooth transition as light level changes.