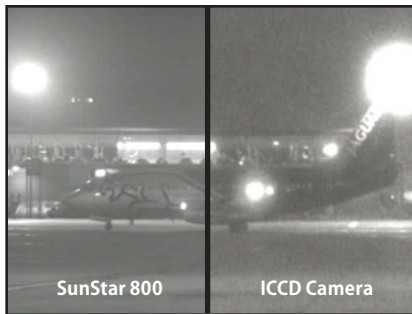


# SunStar™ 800

## Compact Low Light CCD Imaging System

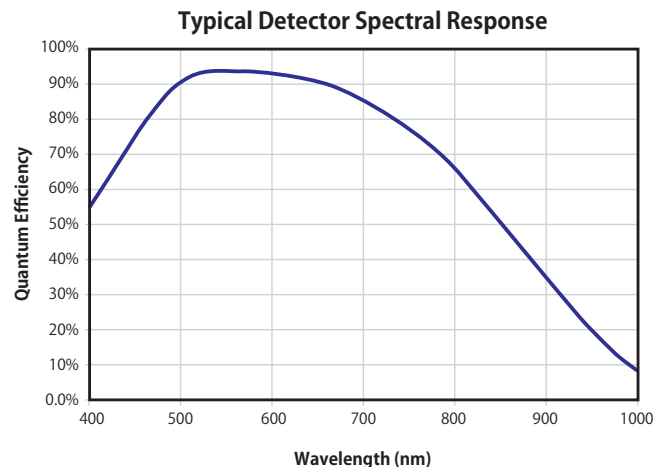
The SunStar 800 is a very high sensitivity video camera that can be used for 24-hour surveillance. At the heart of the camera is an EMCCD detector that gives outstanding performance from bright sunlight to overcast starlight and below. The camera's digital architecture provides enhanced performance at the lowest light levels and enables the user to configure the camera for optimum performance.

The 2/3" format, monochrome SunStar 800 operates from bright sunlight down to overcast starlight conditions at TV frame rates with fully automatic level control. Extended integration allows imaging at even lower levels with reduced frame rates. Flexible and easy to use, the camera offers bright, crisp images in full daylight and its selectable temporal and spatial filtering options combined with the integral Peltier cooled EMCCD package enables the user to attain optimal performance at the very lowest light levels. As a result, the camera gives outstanding target recognition and identification capability.



When compared to Gen III Omni 4 ICCD cameras, the SunStar 800 shows superior performance in terms of image noise as well as blooming due to viewing bright sources.

The SunStar 800 has excellent dynamic range and is able to view scenes with bright lights and dark areas.



### Key Features

- Back illuminated CCD
- Very high sensitivity, 24-hour camera
- 10 microlux scene illumination with f1.4 lens
- High resolution, high contrast, "eye friendly" image
- Smooth day/night transition and rapid overload response
- Undamaged by persistent bright lights or overloads

### Applications

- Airborne Surveillance
- Ground-based surveillance
- Underwater imaging (enhanced blue response)
- Driver view enhancement
- Commander's night sight
- Scientific imaging
- Reconnaissance
- Situational Awareness



**SOFRADIR-EC** Night Vision Imaging  
 formerly Electrophysics Night Vision Imaging

