

# HAWK EM247

24/7/365 High Sensitivity  
B/W EMCCD Camera  
Ultra compact, low power  
and rugged



With a public launch during the next SPIE Defence & Security exhibition mid April, Raptor Photonics is proud to add a new member to its EMCCD camera series.

The new Hawk EM247-A (monochrome) is the world's most compact, rugged and low power EMCCD camera. It can be used for a variety of standard low light vision applications, but is particularly well suited for high-end homeland security and surveillance applications. It is the ideal camera to integrate within airborne or ground based Electro-Optics systems.

## Key features include:

### Ultimate sensitivity and spectral response –

The Hawk EM247-A is designed around a State of the Art Impactron CCD sensor, offering pixel resolution of 658 x 496 pixels, with 10 $\mu$ m x 10 $\mu$ m. This sensor uses Electron Multiplication process, combined with microlens technology, to provide the highest sensitivity in extreme low light conditions (as low as 100  $\mu$ lux) with low smear characteristics.

### Ultra compact and low power operation (<4W) –

Through a combination of sophisticated circuit design and thermal management techniques, the Hawk EM247-A offers an overall power of < 4W. The camera is extremely compact (43mmx43mmx51mm) and has no fan. This makes the camera the smallest EMCCD camera in the world and the ideal tool for OEM integration into Electro-Optics system.

More information can be found on the company's web Site at

[www.raptorphotonics.com](http://www.raptorphotonics.com) Email: [sales@raptorphotonics.com](mailto:sales@raptorphotonics.com)