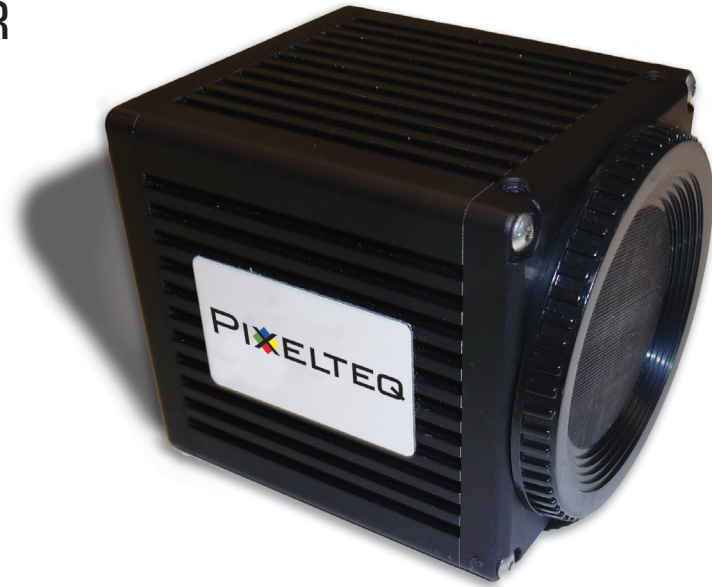


PixelCam SWIR



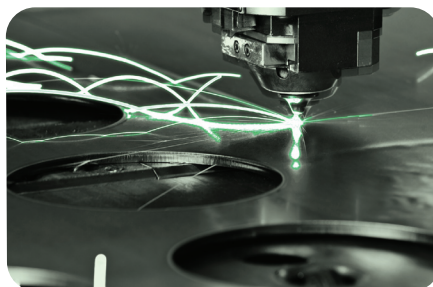
The PixelCam-SWIR 640X512 introduces snapshot multispectral imaging (MSI) into the near infrared and SWIR spectral regions- providing sensitivity out to 1700nm. The SWIR filters are integrated into the focal plane array (FPA) and passively provide waveband selectivity. Designed to allow for high volume deployment PixelTeq solutions have no moving parts or complex mechanisms. The process does not change form factor, Frame Rate or SWaP. The PixelCam-SWIR features an extremely sensitive Goodrich solid state InGaAs imager. This design creates a fully portable, fully customizable, high speed MSI camera. With no pixel shift and high frame rates, this dynamic system is a powerful product and the first of its kind.

PixelCam-SWIR systems are available in a standard three band or standard four band configuration. In addition custom filters can be selected. The small form factor and high speed multispectral imagers are used for a variety of applications including aerial mapping, water quality measurement, product screening, machine vision, biomedical imaging, surveillance and authentication. The system can also be customized for integration into specific OEM products. The platform is readily modified to meet your mechanical and environmental needs. Contact an Application Engineer today and find out how we can help bring your project to light.

Applications



Remote Sensing & Imaging



Materials & Manufacturing



Low light or obscured imaging

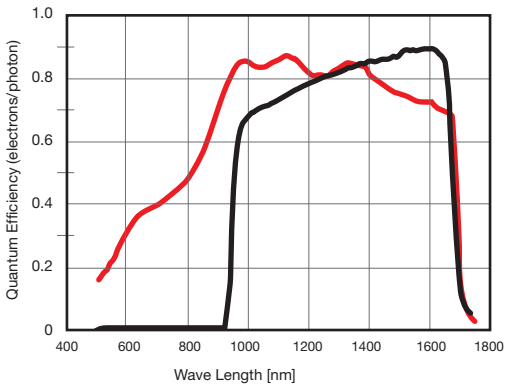
PIXELTEQ

PixelCam-SWIR is available to those who need a quick turnkey solution or a unique customized solution for a dynamic scene. PixelCam-SWIR utilizes a Goodrich InGaAs sensor capable of NIR and SWIR enhanced measurements and can be supplied in two standard configurations, or integrated with custom filters. The proprietary design allows for quick delivery while providing a system that suits your specific application needs today and for years to come. The PixelCam-SWIR offers a cost effective and versatile solution for your current MSI projects. Contact our Application Engineers today to discuss your specific needs and requirements.

Standardized Demonstration Units Available



- Goodrich solid state InGaAs sensor
- 640 x 512 pixel format
- High quality 12 bit images
- Advanced gain control
- Contrast enhancement modes available
- Standard F-Mount for a range of lens choices, focal lengths, FOV's
- Compact size



- Standard SWIR
- NIR / SWIR

PixelCam Customizable Options

- Two standard versions (3 band and 4 band Bayer)
- Custom mosaic designs for specified wavebands
- Scientific InGaAs Sensor or various sensor/camera options
- Standard compact size or customized housing for a variety of mechanical and environmental requirements.
- Proof of concept prototypes to high volume manufacturing
- OEM & fully integrated versions available

Spectral Response

