

GoldenEye™ - The Ultimate Snapshot Imager

Captures All in One Shot for VIS/NIR

BaySpec's GoldenEye™ is the only Snapshot hyperspectral imager covering from 400 to 1100nm. Using BaySpec's FT-PI proprietary technology, this novel imager features high sensitivity and is most suitable for low light level applications, such as fluorescence imaging.



GoldenEye™ features:

- FT-PI proprietary technology
- SnapShot imager with one shot operation
- Spectral range from 400–1100nm
- High sensitivity for low light measurement
- External Trigger
- Ultraminiature



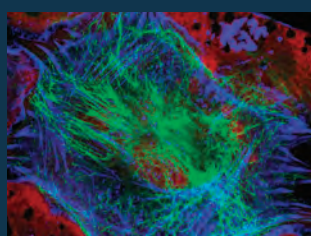
1101 McKay Drive | San Jose, California 95131 | (408) 512-5928 | www.bayspec.com

Key Specifications

Operation Mode	Snapshot
Spectral Range	400 – 1100 nm
Number of Spectral Bands	Approx. 140 useful bands
Spectral Resolution	8-60 nm FWHM (resolution is function of λ)
Frame Rate	Generating approximately one Hyperspectral cube per second
Sensor Type:	CMOS
Spatial Pixels	2D array, 640 x 512 pixels, or 1280 x 1024 pixels in high resolution mode
Lens Interface	C-mount
Lens options	8, 16, 35, and 50 mm, or any C-mount; default 8mm (47° FOV)
Wavelength Calibration	factory calibrated
Temperature Range	10 – 50°C
Size (L x W x H)	6.0 x 3.3 x 4.3 cm (without lens)
Weight	180 grams (without lens)
Power Supply	powered by the 5V DC power line of the USB 3.0
PC Requirements	500GB SSD, 16GB RAM, Intel Core i5 or higher, USB 3.0 ports, Windows 10
Software	Custom GUI application (optional SDK available with extra cost)
Dynamic Range (Data Resolution)	output data in 10-bit format
Data Format	Binary, compatible with Scyven, ENVI, MATLAB, Python, ImageJ, or other numerical or scientific image processing software



Machine Vision



Fluorescence Imaging



Medical Diagnosis



Pharma

About Bayspec

BaySpec, Inc., founded in 1999 with 100% manufacturing in USA, is a Silicon Valley-based spectral sensing company. BaySpec designs, manufactures, and markets advanced spectral instruments, including smart handheld spectrometers, a new class of OCI™ hyperspectral imagers, novel transportable mass spectrometers, high performance UV-VIS-NIR-SWIR spectrometers, and OEM spectral engines and components, for precision agriculture, R&D, biomedical, pharmaceuticals, chemicals, food, semiconductors, health monitoring, and the optical telecommunications industry.



1101 McKay Drive | San Jose, California 95131 | (408) 512-5928 | www.bayspec.com